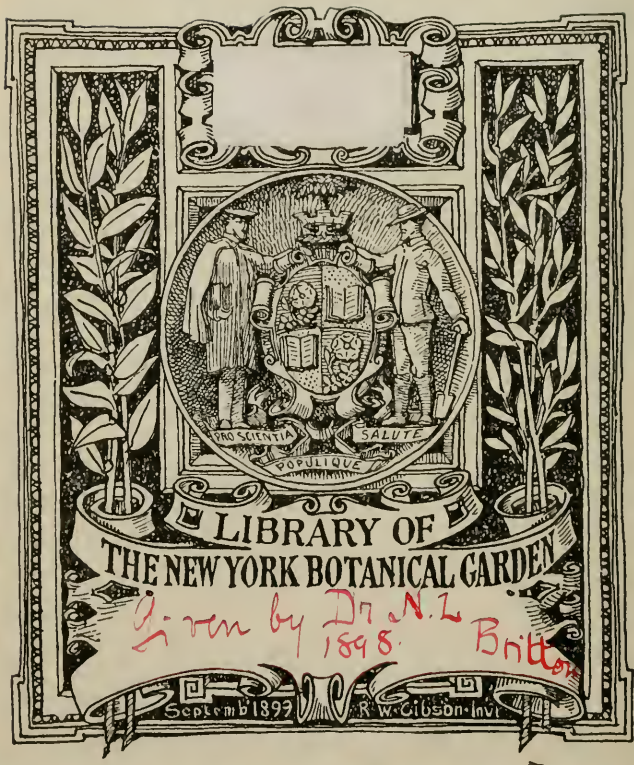
PRO SCIENTIA ATQUE SALUTE POPULIQUE
LIBRARY OF
THE NEW YORK BOTANICAL GARDEN
Given by Dr. N. L. Britton
1898
Septemb 1899 R. W. Gibson Invt

Brown Hæmatite, .	Loc. Glenasplinkeen.
Manganese Oxides,	Loc. Glenasplinkeen; Howth.
Native Copper, .	Loc. Cronebawn; Ballymurtagh.
Copper Pyrites, . .	Loc. Cronebawn; Ballymurtagh; Avoca.
Tinstone, . .	Loc. Croghan Kinshela, in small rolled fragments and detached worn crystals.
Carbonate of Lead,	Loc. Luganure mines.
Sulphate of Lead, .	Loc. Luganure; Ballycorus.
Phosphate of Lead,	Loc. Glenmalure.
Galena, . .	Loc. Ballycorus; Luganure; Glendalough.
Blende, . .	Loc. Clontarf; Glenmalure.

CATALOGUE OF THE FLOWERING PLANTS AND FERNS OF DUBLIN AND WICKLOW.

LIBRARY
NEW YORK
BOTANICAL
GARDEN

BY

DAVID MOORE, PH.D., F.L.S., AND A. G. MORE, F.L.S.

[Read March 18th, 1878.]

(Arranged in the order of the "London Catalogue," 7th ed. The signs prefixed to the specific names are used to show that the plants are † possibly ‡ probably or * certainly, introduced. The brackets enclose such species as occur close to gardens or cultivation, or are not thoroughly established.)

1. Ranunculaceæ.

Clematis.	
[Vitalba. Linn.]	D. Sandhills at Portrane; a doubtful native. Hedges near Dublin (planted).
Thalictrum.	
minus Linn.	D. Sandhills at Malahide, Baldoyle, etc. W. Coast of Wicklow, in several places, but local.
flavum. Linn.	W. Marshy fields, Murrough of Wicklow.
Anemone.	
nemorosa. Linn.	D. and W. Common.
[apennina. Linn.]	D. Abundant at Delville, Glasnevin. Originally planted.
Adonis.	
[autumnalis. Linn.]	D. Howth. Dundrum. W. Near Enniskerry. Not found for many years in either county.
Ranunculus.	
circinatus. Sibth.	D. Pools and streams. Rare. In the Liffey at Chapelizod and Straffan.
peltatus. Fries.	
b. floribundus. Bab.	D. Near Dublin.
c. penicillatus. Hier.	D. Liffey, near Chapelizod.
trichophyllus. Chaix.	D. and W. Frequent.
Lenormandi. F.Schultz.	D. Near Raheny, etc. W. Frequent.
hederaceus. Linn.	D. and W. Common.
sceleratus. Linn.	D. and W. Not unfrequent.
Flammula. Linn.	D. and W. Very common.
Lingua. Linn.	D. Curragha Bog and Raheny (Irish Flora.) W. Marsh ditches on the Murrough of Wicklow.
auricomus. Linn.	D. and W. Frequent.
acris. Linn.	D. and W. Abundant. The ordinary plant in Ireland is R. tomophyllus of Jordan.
repens. Linn.	D. and W. Abundant.
bulbosus. Linn.	D. and W. Common.

Ranunculus.

parviflorus. Linn. — D. Milltown. Howth. Greenhills. W. River side at Bray (Wade), where it still grows.

‡arvensis. Linn. — D. Near the "Man-of-War," and Raheny. Corn-fields near Balbriggan. (Templeton MS.)

Ficaria. Linn. — D. and W. Abundant.

Caltha.

palustris. Linn. — D. and W. Common.

Aquilegia.

†vulgaris. Linn. — D. At the Waterfall, Leixlip; Knockmaroon Hill. (Ir. Fl.) Hedges near Finglas and Glasnevin.

Delphinium.

[Ajacis. Reich.] — Portmarnock. Introduced.

3. Nymphæaceæ.

Nymphæa.

alba. Linn. — D. Royal Canal, etc. Rather rare. W. Not unfrequent in the lakes and streams. Lough Dan, etc.

Nuphar.

luteum. Sm. — D. and W. Local.

4. Papaveraceæ.

Papaver.

[somniferum. Linn.] — D. Baldoyle, etc. Near Dublin. Not indigenous.

‡Rhœas. Linn. — D. and W. Frequent, and increasing.

‡dubium. Linn. — D. and W. Not unfrequent.

b. Lecoqui. Lam. — D. Baldoyle.

‡Argemone. Linn. — D. Rush. Kilbarrack. Baldoyle. Cabinteely, etc. Rare. W. Coast near Wicklow.

‡hybridum. Linn. — D. Finglas Quarries. Baldoyle. Rush. Swords. W. Murrough of Wicklow.

Meconopsis.

cambrica. Vig. — W. Dargle, Powerscourt, and Devil's Glen, Wicklow. Maulin Mountain. (W. Archer.)

Glaucium.

luteum. Scop. — D. and W. Frequent on the coast.

Chelidonium.

*majus. Linn. — D. and W. Rare.

4* Fumariaceæ.

Corydalis.

claviculata. D. C. — W. Very local. Powerscourt. Enniskerry; Kilmartin; Bray Head.

Fumaria.
- pallidiflora. Jord. — W. Fassaroe, near Bray. (R. M. B.)
- †confusa. Jord. — D. and W. Frequent.
- †officinalis. Linn. — D. and W. Frequent.

5. Cruciferæ.

Cakile.
- maritima. Scop. — D. and W. Sandy sea-shore. Common.

Crambe.
- maritima. Linn. — D. Formerly near Malahide, Howth, and Kingstown, and Killiney. Not seen lately. W. Murrough of Wicklow. Very rare.

Raphanus.
- ‡Raphanistrum. Linn. — D. and W. Frequent.
- maritimus. Sm. — D. South side of Howth. W. At Greystones, once gathered near the Railway Station.

Sinapis.
- †arvensis. Linn. — D. and W. Common.
- ‡alba. Linn. — D. Portmarnock, near Dublin. Rush, Skerries, and Swords. (Ir. Flor.) W. Near Bray, etc. Not unfrequent.
- †nigra. Linn. — D. and W. Rare.

Brassica.
- [adpressa. Boiss.] — D. Portmarnock. (H. C. Hart.)

Diplotaxis.
- ‡muralis. D. C. — D. Portmarnock and Baldoyle.

Sisymbrium.
- officinale. Scop. — D. and W. Common.
- †Sophia. Linn. — D. and. W. Sandy fields near the coast. Frequent.
- †Irio. Linn. — D. Near Dublin only. Common about Dublin, Glasnevin, Clontarf, etc.
- Alliaria. Scop. — D. and W. Abundant about Dublin ; also near Powerscourt, St. Valerie, near Bray, etc.

Hesperis.
- *matronalis. Linn. — W. Woods near Poolaphouca. Well established in one spot on south side of the Dargle (R.M.B.)

Cheiranthus.
- *Cheiri. Linn. — D. and W. Old walls and ruins.

Cardamine.
- pratensis. Linn. — D. and W. Common.
- hirsuta. Linn. — D. and W. Common.
- *b.* sylvatica. Link. — D. and W. Not uncommon.

Arabis.
- Thaliana. Linn. — D. Plentiful on south side of Howth.
- hirsuta. Brown. — D. and W. Local and rare.

[Camelina sativa. Linn. — Has occurred at Fassaroe occasionally as a weed of cultivation.

Barbarea.
- vulgaris. Brown. — D. and W. Frequent.
- [præcox. Brown.] — D. Well established on a wall at Lucan.

Nasturtium.
- officinale. Brown. — D. and W. Common.
- palustre. De Cand. — D. and W. Rather rare.
- amphibium. Brown. — W. Murrough of Wicklow.

Armoracia.
- [rusticana. Bab.] — D. and W. Waste Ground. Occasional.

Cochlearia.
- officinalis. Linn. — D. and W. Common.
- danica. Linn. — D. and W. Rare.

Draba.
- verna. Linn. — D. and W. Common.

Alyssum.
- [calycinum. Linn.] — D. Portmarnock.

Berteroa.
- [incana. D. C.] — D. Portmarnock.

Thlaspi.
- ‡ arvense. Linn. — D. and W. Very rare; introduced with the crops.

Capsella.
- Bursa-pastoris. Moench. — D. and W. Very common.

Lepidium.
- [ruderale. Linn.] — D. North Wall, and near Kilbarrack Church. Not seen for many years.
- ‡ campestre. Brown. — D. Dundrum and Blanchardstown.
- Smithii. Hook. — D. and W. Frequent.

Senebiera.
- ‡ didyma. Pers. — D. Very local; occasionally about Dublin.
- † Coronopus. Poiret. — D. and W. Local.

6. Resedaceæ.

Reseda.
- †lutea. Linn. — D. Very rare. Chapelizod, Knockmaroon, Rush, Malahide, etc.
- Luteola. Linn. — D. and W. Frequent.
- [suffruticulosa. Linn.] — Well established at Portmarnock.

8. Violaceæ.

Viola.
- palustris. Linn. — D. and. W. Frequent in hilly and boggy districts.

Viola.

*odorata. Linn.	D. and W. rare, and introduced.
hirta. Linn.	D. Portrane; Portmarnock; Howth; Lambay; Knockmaroon; Phœnix Park.
sylvatica. Fries.	
a. Riviniana. Reich.	D. and W. Common.
b. Reichenbachiana.	D. and W. Frequent.
canina. Fries.	D. Portmarnock and Portrane. W. Murrough of Wicklow.
tricolor. Linn.	D. and W. Frequent.
b. arvensis. Murr.	D. and W. Cultivated land. Not unfrequent.
Curtisii. Forster.	D. Baldoyle, Portmarnock, Portrane; Rush, etc. W. Sandy coast of Wicklow in many places.
lutea. Huds.	D. Hill of Lyons. W. Near Kilbride, on the banks of the King's River.

9. Droseraceæ.

Drosera.

rotundifolia. Linn.	D. and W. Frequent.

10. Polygalaceæ.

Polygala.

vulgaris. Linn.	D. and W. Frequent.
b. depressa Wend.	D. and W. Heaths etc. Common.
c. oxyptera. Reich.	W. Sandhills near Arklow.

12. Caryophyllaceæ.

Saponaria.	D. Along the River Dodder.
*officinalis. Linn.	W. Well established between Bray and Enniskerry, and other places.
Silene.	
inflata. Sm.	D. and W. Frequent.
maritima. With.	D. and W. Common.
[conica. Linn.]	Portmarnock. Very rare, and introduced.
*anglica. Linn.	D. Portmarnock. Introduced.
Lychnis.	
‡vespertina. Sibth.	D. and W. Local and rare.
diurna. Sibth.	D. and W. Frequent.
Flos-cuculi. Linn.	D. and W. Common.
‡Githago. Linn.	D. and W. Frequent.
Cerastium.	
tetrandum. Curt.	D. and W. Sandy ground, near the sea. Frequent.
semidecandrum. Linn.	D. and W. Sand hills on the coast.

Cerastium.
- glomeratum. Thuil. D. and W. Common.
- triviale. Link. D. and W. Common.
- arvense. Linn. D. Coast of Dublin. Not unfrequent. W. Walls and banks near Greystones.

Stellaria.
- media. Linn. D. and. W. Very common.
- *b.* Boreana. Jord. D. and W. Sand hills at Portrane and Portmarnock.
- Holostea Linn. D. and W. Frequent.
- glauca. With. D. Kelly's Glen. (D.M.). Curragha (Wade). W? Glencree? and Murrough of Wicklow? (D.M.)
- graminea. Linn. D. and W. Common.
- uliginosa. Murr. D. and W. Frequent.

Arenaria.
- trinervis. Linn. D. and W. Rather rare.
- serpyllifolia. Linn. D. and W. Frequent.
- *b.* leptoclados. Guss. D. and W. Frequent.

Honkeneya.
- peploides. Ehrh. D. and W. Frequent.

Sagina.
- maritima. Don. D. and W. Frequent.
- apetala. Linn. D. and W. Frequent.
- ciliata. Fries. D. and W. Frequent.
- procumbens. Linn. D. and W. Common.
- nodosa. Meyer. D. Damp hollows in the sandhills at Portrane and Portmarnock. W. Sandhills of Wicklow.

Spergula.
- ‡arvensis. Linn. D. and W. Common.

Spergularia.
- neglecta. Kindb. D. and W. Common on sea-shore.
- marginata. Wahl. D. and W. Common in wet salt marshes.
- rupicola. Lebel. D. and W. Frequent on rocks by the sea.

12. Illecebraceæ.

Scleranthus.
- annuus. Linn. Local and rare. D. Baldoyle and Howth. W. Murrough of Wicklow.

13. Portulacaceæ.

Montia.
- fontana. Linn. D. and W. Common.
- *b.* rivularis. Gm. Not unfrequent.

16. Hypericaceæ.

Hypericum.
- Androsæmum. Linn. D. and W. Frequent.

Hypericum.

[calycinum. Linn.]	Powerscourt, &c., naturalized.
perforatum. Linn.	D. and W. Common.
dubium. Leers.	W. Powerscourt ? (Mackay); not found lately. Ovoca near the station.
humifusum. Linn.	D. and W. Frequent.
pulchrum. Linn.	D. and W. Frequent.
hirsutum. Linn.	D. Leixlip. Woodlands. Santry. Near Canal, from Dublin to Robertstown.
Elodes. Linn.	D. and W. Not unfrequent.

17. Malvaceæ.

Althæa.

[officinalis. Linn.]	Near Cabragh, Dublin. (Wade, Rar.) Introduced.

Lavatera.

†arborea. Linn.	D. Ireland's Eye. Killiney Hill.

Malva.

moschata. Linn.	W. Murrough of Wicklow, and near Enniskerry. Wooden-Bridge. (Ir.Fl.)
sylvestris. Linn.	D. and W. Frequent.
rotundifolia. Linn.	D. and W. Rather rare.
[borealis. Wallm.]	Donnybrook. (M. Dowd.)

19. Linaceæ.

Radiola.

[millegrana. Sm.]	D ? Between Dolphin's barn and Crumlin. (Threlkeld.) Not seen by any botanist recently.

Linum.

catharticum. Linn.	D. and W. Common.
angustifolium. Hud.	D. and W. Very local, and chiefly near the Coast.

20. Geraniaceæ.

Geranium.

sanguineum. Linn.	D. Howth. Ireland's Eye. Lambay. Killiney. W. Killencarrig and Bray. (Ir. Flor.)
[pratense. Linn.]	Powerscourt Gate at Tinnehinch, and roadside near old Connaught, escaped (R.M.B.)
‡pyrenaicum. Linn.	D. and W. Not unfrequent in hedge banks, and by roadsides.
molle. Linn.	D. and W. Common.
? pusillum. Linn.	D. Near Kilmacanogue, Wicklow. (Flor. Hib.) Not found since.
rotundifolium. Linn.	D. Old walls at Glasnevin. Finglas. Ballymun, etc. (Ir. Flor.) Now become very scarce.

Geranium.

dissectum. Linn.	D. and W. Frequent.
columbinum. Linn.	D. Many places near Dublin. W. Murrough of Wicklow.
lucidum. Linn.	D. Feltrim Hill. W. Wood near Newtownmountkennedy and Devil's Glen.
[striatum. Linn.]	Well established along the road between old Connaught and Crinken. (R.M.B.)
Robertianum. Linn.	D. and W. Common.

Erodium.

cicutarium. L'Herit.	D. and W. Frequent.
†moschatum. L'Herit.	D. Howth, &c., Dublin. W. Bray, &c.
maritimum. Sm.	D. Killiney. Howth.

Oxalis.

Acetosella. Linn.	D. and W. Frequent.

21. Ilicaceæ.

Ilex.

Aquifolium. Linn.	D. and W. Frequent.

22. Celastraceæ.

Euonymus.

europæus. Linn.	D. and W. Not unfrequent.

23. Rhamnaceæ.

Rhamnus.

catharticus. Linn.	W. Luggelaw, Hedges on Murrough of Wicklow.
Frangula. Linn.	W. Hedges on Murrough of Wicklow.

24. Sapindaceæ.

Acer.

*Pseudoplatanus. Linn.	D. and W. Frequent, but not native.
‡campestre. Linn.	Hedges on north side of Dublin. Ballycullen, Glasnevin, and Ballymun.

25. Leguminosæ.

Ulex.

europæus. Linn.	D. and W. Common.
Gallii. Planch.	D. and W. Common.

Sarothamnus.

scoparius. Koch.	D. and W. Frequent.
b. prostratus.	Killiney Hill and Howth. Seems to have been mistaken for Genista tinctoria.

Ononis.

arvensis. Linn.	D. and W. Frequent.

Anthyllis.

Vulneraria. Linn.	D. and W. Chiefly on the coast.

Medicago.

lupulina. Linn.	D. and W.	Abundant.
*sativa. Linn.		Portmarnock. (Flor. Hib.) Plentiful near Rush.
[falcata. Linn.]		Portmarnock. (Flor. Hib.); and still occurs.
[denticulata. Willd]	D.	Between Dolphin's barn and Crumlin, once only.
[maculata. Sibth.]		Between Dolphin's barn and Crumlin, with the former introduced.

Melilotus.

‡officinalis. Willd.	D.	About Rush, Portmarnock, Kilbarrack, Baldoyle, &c., chiefly on the coast. W. At Fassaroe occasionally, R. M. B.

Trigonella.

ornithopodioides. D. C.	D.	Howth, near the lighthouse. Killiney Hill. W. Near the river at Bray and Murrough, and Castle of Wicklow.

Trifolium.

subterraneum. Linn.	W.	North bank of the river at Wicklow.
pratense. Linn.	D. and W.	Common.
medium. Linn.	D.	Slopes of Dublin mountains.
	W.	Near the shore at Rockfield.
arvense. Linn.	D. and W.	Rather rare on the coast.
striatum. Linn.	D.	Abundant on Feltrim Hill. Dundrum.
	W.	Murrough and river side at Wicklow.
scabrum. Linn.	D.	Kilbarrack, Howth, North Bull, &c.
	W.	Along the Murrough of Wicklow.
glomeratum. Linn.	W.	By the river side at Wicklow, with T. subterraneum.
repens. Linn.	D. and W.	Common.
fragiferum. Linn.	D. and W.	Very local, and chiefly on the coast, or along the tidal rivers.
procumbens. Linn.	D. and W.	Frequent.
minus. Relhan.	D. and W.	Common.
filiforme. Linn.	D. and W.	Rather rare.

Lotus.

corniculatus. Linn.	D. and W.	Common.
b. tenuis. Kit.	D.	Cloghran, co. Dublin. (D. Orr.)
major. Scop.	D. and W.	Frequent.

Ornithopus.

perpusillus. Linn.	D.	Near the lighthouse, and other places on the south side of Hill of Howth.

Vicia.

hirsuta. Koch.	D.	Plentiful S.E. side of Howth. W. Not uncommon about Bray (R. M. B.)

Vicia.

‡tetrasperma. Moench. D. Very rare. Once found on Knockmaroon Hill.
Cracca. Linn. D. and W. Common.
sylvatica. Linn. D. Killiney and Ballinascorney. W. Rockfield and Devil's Glen. South side of Dargle (R. M. B.)
Sepium. Linn. D. and W. Common.
[sativa. Linn.] An escape.
angustifolia. Roth. D. and W. Frequent on the coast.
lathyroides. Linn. D. Clontarf, Baldoyle, Howth.
W. Sandhills near the Wicklow lighthouse (D. M.)

Lathyrus.

pratensis. Linn. D. and W. Frequent.
palustris. Linn. W. Marshy fields at Killoughter, near the Murrough of Wicklow. Not found recently.

Orobus.

tuberosus. Linn. D. and W. Frequent.

26. Rosaceæ.

Prunus.

spinosa. Linn. D. and W. Common.
[insititia. Linn.] D. and W. Occasionally planted in hedges.
‡Avium. Linn. D. and W. Frequent in Wicklow and Dublin.
‡Cerasus. D. Occasionally in hedges.

Spiraea.

Ulmaria. Linn. D. and W. Common.

Agrimonia.

Eupatoria. Linn. D. and W. Local.
b. odorata. Mill. W. Near Enniskerry.

Poterium.

Sanguisorba. Linn. D. Local. Near Dublin. Knockmaroon Hill, Feltrim Hill, Raheny, &c. W. About Fassaroe and in Herbert Road, near Bray (R. M. B.)

Alchemilla.

arvensis. Scop. D. and W. Frequent.
vulgaris. Linn. D. and W. Rather rare, and local.
alpina. Linn. W. Cliffs above Lough Ouler. H. C. Hart.

Potentilla.

Fragariastrum. Ehrh. D. and W. Common.
Tormentilla. Sibth. D. and W. Common.
reptans. Linn. D. and W. Frequent.
anserina. Linn. D. and W. Common.

Comarum.
palustre. Linn. D. and W. Local.
Fragaria.
vesca. Linn. D. and W. Frequent.
Rubus.
idaeus. Linn. D. and W. Frequent.
plicatus. W. and N. W. Near Roundwood.
discolor. W. and N. D. and W. Frequent.
macrophyllus.
c. Schlechtendalii. Weihe. W. Wicklow (C.C. Babington.)
rudis. Weihe. W. Wicklow.
corylifolius. Sm. W. Wicklow.
saxatilis. Linn. D. Kelly's Glen. W. River side in the Dargle (Irish Flora.)
Geum.
urbanum. Linn. D. and W. Frequent.
rivale. Linn. D. and W. Local and uncommon. Banks of Liffey. Santry and Kilmere Woods (Ir. Fl.)
Rosa.
spinosissima. Linn. D. and W. Frequent near the sea.
tomentosa. Sm. D. and W. Not common.
b. britannica. Desegl. W. St. Valerie and Dargle (R.M.B.)
canina. Linn. D. and W. Common.
arvensis. Huds. D. and W. Frequent.
Crataegus.
Oxyacantha. Linn. D. and W. Common.
Pyrus.
Aria. Hooker. D. Howth (Wade. Rar.) W. Glencree.
Aucuparia. Gaert. D. and W. Frequent.
‡Malus. Linn. D. and W. Not common, and an escape, or planted.

27. Lythraceæ.

Lythrum.
Salicaria. Linn. D. and W. Common.
Peplis.
Portula. Linn. D. and W. Common.

28. Onagraceæ.

Epilobium.
angustifolium. Linn. W. Among rocks on east side of the Scalp about half way up.
hirsutum. Linn. D. and W. Frequent.
parviflorum. Schreb. D. and W. Common.
montanum. Linn. D. and W. Common.
tetragonum. Linn. D. Carrickmines. (Prof. A. Dickson.)
b. obscurum. Schreb. D. and W. Common.

Epilobium.
palustre. Linn. D. and W. Common.
[Œnothera.
biennis. Linn. D. Sparingly at Portmarnock (R.M.B.)]
Circæa.
lutetiana. Linn. D. and W. Frequent.

28. Haloragaceæ.

Myriophyllum.
verticillatum. Linn. D. Near Finglas Bridge, and ditches along the canal. W. Ditches on Murrough of Wicklow.
spicatum. Linn. D. and W. Frequent in ponds.
alterniflorum. D. and W. Frequent in boggy places.
Hippuris.
vulgaris. Linn. D. and W. Frequent.
Callitriche.
verna. Linn. D. and W. Common.
stagnalis. Scop. D. and W. Common.
hamulata. Kütz. W. Lough Dan. (A.G.M.)

30. Grossulariaceæ.

[Ribes.
Grossularia. Linn. The three species occur occasionally as
rubrum. Linn. escapes from cultivation near cot-
nigrum. Linn. tages, etc.]

31. Crassulaceæ.

Sedum.
anglicum. Huds. D. and W. Frequent.
acre. Linn. D. and W. Abundant.
*reflexum. Linn. D. Walls near Finglas and Chapelizod, Dublin. (Flor. Hib.)
* rupestre. Huds. D. Walls between Dundrum and Rathfarnham, Dublin. W. Rocks near the new church, Bray.
Cotyledon.
Umbilicus. Linn. D. and W. Common.

32. Saxifragaceæ.

Saxifraga.
stellaris. Linn. D. and W. Dublin and Wicklow Mountains.
tridactylites. Linn. D. and W. Rare.
granulata. Linn. D. Kilbarrack, Baldoyle, and Portmarnock. W. Sandhills near Mizen Head.
Chrysosplenium.
oppositifolium. Linn. D. and W. Frequent.

Parnassia.
palustris. D. and W. On Sandhills and mountain bogs, not unfrequent.

33. Umbelliferæ.

Hydrocotyle.
vulgaris. Linn. D. and W. Common.
Sanicula.
europæa. Linn. D. and W. Frequent.
Eryngium.
maritimum. Linn. D. and W. Frequent.
Apium.
graveolens. Linn. D. and W. Common near the sea.
Helosciadium.
nodiflorum. Koch. D. and W. Common.
inundatum. Koch. D. and W. Not unfrequent.
Ægopodium.
‡ Podagraria. Linn. D. Rare. W. St. Valeric, Bray (R.M.B.) Roundwood and near Lough Dan.

Carum.
[Carui. Linn] Accidentally introduced.
Bunium.
flexuosum. With. D. and W. Frequent.
Pimpinella.
Saxifraga. Linn. D. and W. Common.
Sium.
latifolium. Linn. D. Curragha and Howth (Wade. Rar.)
angustifolium. Linn. D. Near Finglas; Raheny; Curragha. W. Murrough of Wicklow.

Œnanthe.
fistulosa. Linn. D. and W. Frequent.
Lachenalii. Gmel. D. and W. Common in salt-marshes.
crocata. Linn. D. and W. Frequent.
Phellandrium. Linn. D. and W. Frequent.
Æthusa.
‡ Cynapium. Linn. D. and W. Common.
Foeniculum.
‡ vulgare. Gaert. D. and W. In Wicklow and Dublin; near houses, especially towards the coast.

Crithmum.
maritimum. Linn. D. and W. Frequent on rocky shores.
Angelica.
sylvestris. Linn. D. and W. Common.
Pastinaca.
‡ sativa. Linn. D. Finglas, Ballygall, Beldrummond, Rush, Howth, &c.
W. Fields near Murrough of Wicklow.

Heracleum.
Sphondylium. Linn. D. and W. Common.
Daucus.
Carota. Linn. D. and W. Common.
Torilis.
Anthriscus. Gaert. D. and W. Frequent.
nodosa. Gaert. D. and W. Not unfrequent.
Chærophyllum.
Anthriscus. Lam. D. Sandhills at Portrane and Portmarnock, and about Dublin. W Murrough of Wicklow.
sylvestre. Linn. D. and W. Common.
temulum. Linn. D. Coolock. Ballinteer. Raheny. Glasnevin. Donnybrook. Old Connaught. W. Herbert Road, Bray. (R.M.B.
Myrrhis.
*odorata. Scop. D. Orchards and hedges in Dublin. (Wade). Not seen recently.
Scandix.
‡Pecten-Veneris. Linn D. and W. Frequent in cultivated fields.
Conium.
maculatum. Linn. D. and W. Hedges and waste places.
Smyrnium.
‡Olusatrum. Linn. D. and W. Frequent.
Coriandrum.
[sativum. Linn.] Rare, and only as an escape from cultivation.

34. Araliaceæ.

Hedera.
Helix. Linn. D. and W. Common.

35. Cornaceæ.

Cornus. D. Hedges near Coolock. (Ir. Flor.)
*sanguinea. Linn. No doubt planted.

37. Caprifoliaceæ.

Sambucus.
nigra. Linn. D. and W. Frequent.
‡Ebulus. Linn. D. Roadsides towards Carton. A weed in Phœnix Park. W. Powerscourt. (Flor. Hib.) Near the Dargle bridge and roadside near Bray. (R.M.B.)
Viburnum.
Opulus. Linn. D. and W. Frequent.
Lonicera.
Periclymenum. Linn. D. and W. Common.

38. Rubiaceæ.

Rubia.
peregrina. Linn. D. Killiney. Dalkey. Howth.
Galium.
verum. Linn. D. and W. Frequent.
erectum. Huds. D. Very rare. Stagstown. Killiney. and Violet Hill, Glasnevin.
Mollugo. Linn. D. Between Swords and Skerries. Ballymun. Between Finglas, and Glasnevin. Sandymount. W. Vallombrosa, Bray.
saxatile. Linn. D. and W. Common on heath and mountains.
palustre. Linn. D. and W. Common.
[? uliginosum. Linn.] W ? Not found recently, and probably G. Witheringii was mistaken for it.
Aparine. Linn. D. and W. Common.
Asperula.
odorata. Linn. D. and W. Frequent.
Sherardia.
arvensis. Linn. D. and W. Frequent.

39. Valerianaceæ.

Centranthus.
[ruber. D.C.] D. Quarries near Leixlip, and at Howth. Walls at Glasnevin, Clontarf, Cabra, Lucan (Irish Flora).
Valeriana.
officinalis. Linn. D. and W. Frequent.
Valerianella.
olitoria. Vahl. D. and W. Frequent.
†dentata. Koch. D. Feltrim Hill. Baldoyle. W. Bray.

40. Dipsaceæ.

Dipsacus.
sylvestris. Linn. D. Rare. Raheny. Cardiff's Bridge. Banks of Tolka. Raheny. Kilbarrack. Clontarf. Swords, etc.
Scabiosa.
succisa. Linn. D. and W. Common.
arvensis. Linn. D. and W. Frequent.

41. Compositæ.

Silybum.
*Marianum. Gaert. D. Kilbarrack and Portmarnock, &c. W. Very rare on the coast, near Wicklow.
Carduus.
tenuiflorus. Curt. D. and W. Frequent, especially near the coast.

Carduus.
- crispus. Linn. — D. Rare, about Dublin and northwards.
- lanceolatus. Linn. — D. and W. Common.
- palustris. Linn. — D. and W. Common.
- pratensis. Huds. — D. About Marley. (Irish Flora.) W. Glencree and about Loughs Bray and Dan.
- arvensis. Curtis. — D. and W. Common.

Carlina.
- vulgaris. Linn. — D. and W. Frequent, especially on coast.

Arctium.
- minus. Schkuhr.
  - *b.* intermedium. Lange. — D. and W. Frequent.

Centaurea.
- nigra. Linn. — D. and W. Common.
- Scabiosa. Linn. — D. Rare. Rush. Chapelizod. Lucan. Finglas. Glasnevin, Santry, &c. W. Herbert Road, Bray. (R.M.B.) Greystones and Kilcool.
- *Cyanus. Linn. — D. and W. Rather rare.
- [solstitialis. Linn.] — Portmarnock and Clontarf. (Flor. Hib.)
- [paniculata. Linn.] — A single plant near Rush. (M. Dowd.)

Chrysanthemum.
- ‡Segetum. Linn. — D. and W. Frequent, especially on sand.
- Leucanthemum. Linn. — D. and W. Common.

Matricaria.
- [Parthenium. Linn.] — An escape from cultivation.
- inodora. Linn. — D. and W. Common.
  - *b.* maritima. Linn. — D. and W. Common.
- ‡Chamomilla. Linn. — D. Very rare. Raheny and Greenogue (Irish Flora). Doubtful.

Tanacetum.
- *vulgare. Linn. — D. and W. Not common. An escape.

Anthemis.
- ‡Cotula. Linn. — D. and W. Rather rare.
- ‡arvensis. Linn. — D. Rare. Phœnix Park. Lyons. Dublin. Portmarnock.
- nobilis. Linn. — W. On Knock Cree, near Lough Bray. (Ir. Flor.) Rocky Valley, Enniskerry.

Achillea.
- Millefolium. Linn. — D. and W. Common.
- Ptarmica. Linn. — D. and W. Local and rather rare.

Artemisia.
- *Absinthium. Linn. — D. and W. Rare, and introduced.
- †vulgaris. Linn. — D. and W. Frequent.
- maritima. Linn. — D. Very rare. Killiney. Howth. Shore near Portrane House.

Filago.
- germanica. Linn. — D. and W. Common.

Filago.
- minima. Fries. — W. Rare. Murrough of Wicklow. Between Enniskerry and Lough Bray. Dargle. Drumgoff, etc.

Gnaphalium.
- uliginosum. Linn. — D. and W. Common.
- sylvaticum. Linn. — W. Powerscourt. Rocky Valley, near Sugarloaf Mountain (R. M. B.) Near Shillelagh (H. C. Hart.)
- dioicum. Linn. — D. and W. Rather rare. Chiefly on the coast and mountains.

Senecio.
- vulgaris. Linn. — D. and W. Common.
- sylvaticus. Linn. — D. and W. Frequent.
- †viscosus. Linn. — D. Very rare. Sutton side of Howth.
- crucifolius. Linn. — D. Many places near Dublin. W. Near Bray and Kilrudderry.
- Jacobæa. Linn. — D. and W. Common. The rayless variety is frequent on sand-hills towards Drogheda.
- aquaticus. Huds. — D. and W. Common.
- [saracenicus. Linn.] — Near Clonskeagh, Dublin. Introduced.

Bidens.
- cernua. Linn. — D. and W. Occasionally, in muddy bogs.
- tripartita. Linn. — D. and W. Ditto. Both rare.

Inula.
- *Helenium. Linn. — W. Whaley Abbey, Wicklow.
- crithmoides. Linn. — D. Killiney Hill. Dalkey Island. Howth. Lambay.
- dysenterica. Linn. — D. and W. Frequent.

Bellis.
- perennis. Linn. — D. and W. Common.

Erigeron.
- acris. Linn. — D. Rare. Finglas quarries. Templeogue. Clonsilla. Lucan, Howth, etc. W. Between Enniskerry and Lough Bray.

Aster.
- Tripolium. Linn. — D. and W. Common.

Solidago.
- Virgaurea. Linn. — D. and W. Frequent.
- *b.* cambrica. Huds. — D. and W. Rare. On the mountains.

Tussilago.
- Farfara. Linn. — D. and W. Common.

Petasites.
- vulgaris. Desf. — D. and W. Frequent.
- [fragrans. Presl.] — Becoming naturalized.

Eupatorium.
cannabinum. Linn. D. and W. Rather rare.
Cichorium.
‡Intybus. Linn. D. and W. Chiefly on sand-hills along the coast, in Dublin and Wicklow.
Lapsana.
communis. Linn. D. and W. Frequent.
Hypochœris.
radicata. Linn. D. and W. Common.
Leontodon.
hirtus. Linn. D. and W. Frequent on the coast, rare inland.
hispidus. Linn. D. Portmarnock (Mackay). Near Santry (D. Orr). Lucan (A. G. M.) Finglas (D. Orr.)
W. Murrough of Wicklow (D. M.)
autumnalis. Linn. D. and W. Common.
Picris.
[hieracioides. Linn.] Portmarnock. (Flor. Hib.) Introduced, and not found for many years.
Helminthia.
echioides. Gaert. D. Howth, etc. Chiefly north and east of Dublin. Rare.
Tragopogon.
pratensis. Linn. D. and W. Rather rare.
Taraxacum.
officinale. Wigg. D. and W. Common.
Lactuca.
muralis. Fresen. W. Very rare. Roadside, from Lara Barracks to Clara.
Sonchus.
oleraceus. Linn. D. and W. Common.
b. asper. Hoffm. D. and W. Frequent.
†arvensis. Linn. D. and W. Common in cultivated land.
Crepis.
*taraxacifolia. Thuil. D. and W. Baldoyle. Howth. Dublin. Bray, etc.; spreading along the railways.
virens. Linn. D. and W. Common.
paludosa. Moench. D. and W. Frequent in hilly districts.
Hieracium.
Pilosella. Linn. D. and W. Frequent.
vulgatum. Fries. D. Leixlip. W. Powerscourt. Devil's Glen, and Dargle River.
gothicum. Fries. W. Glenmalure, Wicklow.
strictum. Fries. W. Glenmalure, Wicklow.
umbellatum. Linn. W. Glencree. Devil's Glen. Ballyarthur.
corymbosum. Fries. W. Glenmalure.

Hieracium.
boreale. Fries. — W. Glenmalure. Glendalough, and Devil's Glen.

42. Campanulaceæ.

Lobelia.
Dortmanna. Linn. — W. Glendalough. Loch Dan. Lower Lough Bray.

Jasione.
montana. Linn. — D. and W. Frequent.

Campanula.
*Trachelium. Linn. — D. Near Glasnevin. Introduced. W. Roundwood. Do.
*rapunculoides. Linn. — W. Wall near Bray Harbour. Murrough of Wicklow.
rotundifolia. Linn. — D. and W. Frequent.

Wahlenbergia.
hederacea. Reich. — D. Glencullen. W. Base of Sugarloaf. Glencree. Enniskerry.

43. Ericaceæ.

Vaccinium.
Oxycoccos. Linn. — D. and W. Rare. On the mountains.
Vitis-idæa. Linn. — W. Upper Lough Bray. Luggelaw. Lugnaquilla. Lug-duff.
Myrtillus. Linn. — D. and W. Common.

Andromeda.
polifolia. Linn. — D. Bogs along the Military-road from Roebuck to Lough Bray. (Irish Flora.) W. Between Djouce and Luggelaw. (R. M. B.) Side of Kippure. (H. C. Hart.)

Erica.
Tetralix. Linn. — D. and W. Common.
cinerea. Linn. — D. and W. Common.

Calluna.
vulgaris. Salisb. — D. and W. Common.

Pyrola.
minor. Linn. — W. Vale of Ovoca, near "Meeting of the Waters."

44. Jasminaceæ.

Fraxinus.
excelsior. Linn. — D. and W. Common.

*Ligustrum.
vulgare. Linn. — D. and W. Frequent, but planted.

45. Apocynaceæ.

Vinca.

[*major. Linn.] Both species occur occasionally
[*minor. Linn.] escaped from cultivation.

46. Gentianaceæ.

Erythræa.

Centaurium. Pers. D. and W. Frequent.
b. pseudo-latifolium. D. Portmarnock sands, &c.
pulchella. Fries. D. North Bull, Dublin.

Chlora.

perfoliata. Linn. D. and W. Frequent, but local.

Gentiana.

Amarella, Linn. D. and W. Rather local.
campestris. Linn. D. W. Frequent.

Menyanthes.

trifoliata. Linn. D. and W. Frequent.

Villarsia.

[nymphæoides. Link.] Naturalized in the River Tolka at Glasnevin.

47. Polemoniaceæ.

Polemonium.

[caeruleum. Linn.] Knockmaroon Hill, near Dublin. (Flor. Hib.) Not indigenous, and not seen lately.

48. Convolvulaceæ.

Convolvulus.

arvensis. Linn. D. and W. Unfrequent.
Sepium. Linn. D. and W. Frequent.
Soldanella. Linn. D. and W. Frequent.

Cuscuta.

Epilinum. Weihe. D. and W. In cultivated flax. Rare.
*Trifolii. Bab. D. Ballybrack. W. Fassaroe, &c., near Bray. Thoroughly established for many years, on other plants besides clover (R.M.B.)

49. Solanaceæ.

Solanum.

Dulcamara. Linn. D. and W. Frequent.
†nigrum. Linn. D. Waste places near Dublin. Very rare. W. Near Wicklow (Hon. Miss Ruthven).

Atropa.

[Belladonna.] D. Formerly at Dundrum (Rutty). Near Blessington-street (Irish Flora). Not seen recently.

Hyoscyamus.

niger. Linn. D. and W. Rare, and chiefly on coast. On Murrough of Wicklow, &c.

50. Scrophulariaceæ.

Verbascum.	
Thapsus. Linn.	D. and W. Frequent.
[Blattaria. Linn.]	A few plants near Wicklow.
Scrophularia.	
Balbisii. Hornem.	D. and W. Rather local.
nodosa. Linn.	D. and W. Frequent.
Digitalis.	
purpurea. Linn.	D. and W. Frequent.
Antirrhinum.	
‡Orontium. Linn.	D. Near Dundrum, Dublin (D. Orr).
[majus. Linn.]	Naturalized.
Linaria.	
[Cymbalaria. Mull.]	Naturalized. On garden walls, etc.
repens. Mull.	D. In Bushy Park, near Rathfarnham Bridge.
vulgaris. Mull.	D. Baldoyle and Knockmaroon Hill. W. Murrough of Wicklow.
minor. Desb.	D. Stillorgan and Sidney Parade, and along the M. G. W. Railway near Dublin.
Mimulus.	
[luteus. Linn.]	W. Plentiful in the river, near Enniskerry.
Veronica.	
hederifolia. Linn.	D. and W. Common.
polita. Fries.	D. and W. Common.
agrestis. Linn.	D. and W. Common.
*Buxbaumii. Pers.	D. and W. Dublin and Wicklow. An introduced weed, and increasing.
arvensis. Linn.	D. and W. Common.
serpyllifolia. Linn.	D. and W. Common.
officinalis. Linn.	D. and W. Frequent.
Chamædrys. Linn.	D. and W. Common.
montana. Linn.	D. Abundant near Dublin. W. Powerscourt, &c., frequent in Wicklow.
scutellata. Linn.	D. and W. Frequent.
Anagallis. Linn.	D. and W. Frequent.
Beccabunga. Linn.	D. and W. Common.
Euphrasia.	
officinalis. Linn.	D. and W. Common.
Bartsia.	
Odontites. Hud.	D. and W. Frequent.
Pedicularis.	
palustris. Linn.	D. and W. Frequent.
sylvatica. Linn.	D. and W. Frequent.
Rhinanthus.	
Crista-galli. Linn.	D. and W. Frequent.

Melampyrum.

pratense. Linn. D. and W. Frequent.

b. montanum. Johnst. W. Great Sugarloaf, Wicklow

51. Orobanchaceæ.

Lathræa.

Squamaria. Linn. D. and W. Local, and rare.

Orobanche.

major. Linn. W. Luggelaw and Lough Dan, Devil's Glen, Glen of Downs, Seven Churches. Between Rathdrum and Lara; Kilbride.

Hederæ. Duby. D. Palmerstown, Woodlands, Leixlip, Howth, and Kingstown. W. Glen of the Downs, east side (R.M.B.)

52. Verbenaceæ.

Verbena.

*officinalis. Linn. D. and W. Local and rare, and probably outcast from gardens.

53. Labiatæ.

Lycopus.

Europæus. Linn. D. Rare and local. W. Not unfrequent.

Mentha.

‡rotundifolia. Linn. D. Near Castle Kelly. W. At Glendalough, and Roundwood. Near Enniskerry, an escape (R.M.B.)

hirsuta. Linn. D. and W. Very common.

‡sativa. Linn. } W. Glen of the Downs. Enniskerry river.

b. ‡rubra. Sm. }

arvensis. Linn. D. and W. Frequent.

b. agrests. Not unfrequent.

Pulegium. Linn. W. Base of Great Sugarloaf.

Thymus.

Serpyllum. Fries. D. and W. Common.

Origanum.

vulgare. Linn. D. and W. Rather local.

Calamintha.

[Clinopodium. Benth.] W. Said to have been found between Enniskerry and Bray, but C. menthifolia was probably mistaken for it.

‡Acinos. Clairv. D. Portmarnock. W. Murrough of Wicklow. A few plants near Tulla Church, Carrickmines.

menthifolia. Host. D. Several places. Strawberry beds, &c. W. Plentiful between Enniskerry and Bray, &c.

Nepeta.	
†Cataria. Linn.	D. Banks of Dodder above Rathfarnham. (Flor. Hib.) Sandy fields about Rush and Skerries (Irish Flora.)
Glechoma. Benth.	Common.
Salvia.	
Verbenaca. Linn.	D. Many places near Dublin. W. Murrough of Wicklow.
Prunella.	
vulgaris. Linn.	D. and W. Frequent.
Scutellaria.	
[galericulata. Linn.]	D. Marshes at Howth (Wade Rar.)
minor. Linn.	W. Glenmalure, Rathdrum, and near Lough Bray and Roundwood.
Marrubium.	
†vulgare. Linn.	D. Churchyard at Howth (Flor. Hib.) W. Coast of Wicklow; Bray; and Loughlinstown.
Ballota.	
nigra. Linn.	D. and W. Rather rare.
Stachys.	
Betonica. Benth.	D. Near Abbotstown (Wade Rar.) Not found recently.
palustris. Linn.	D. and W. Common.
ambigua. Sm.	D. and W. Rare.
sylvatica. Linn.	D. and W. Frequent.
‡arvensis. Linn.	W. Shillelagh, and railway banks near Wicklow.
Galeopsis.	
‡Ladanum. Linn.	D. Dundrum; Templeogue, and along the Dodder near Dublin. Malahide; Knockmaroon; Cardiffi Bridge. W. Greystones and Bray. Often plentiful at Fassaroe (R.M.B.)
[versicolor. Curt.	Near Glasnevin formerly. Mackay Cat.]
Tetrahit. Linn.	D. and W. Common.
Leonurus.	
[Cardiaca. Linn.]	Roper's Rest, Dublin (Threlkeld). About Rush and Skerries (Ir. Fl.)
Lamium.	
amplexicaule. Linn.	D. Not unfrequent about Dublin. W. Bray Commons (R.M.B.) Abundant on Murrough of Wicklow.
incisum. Willd.	D. and W. Rare.
purpureum. Linn.	D. and W. Common.
†album. Linn.	D. and W. and near houses. Local.
Galeobdolon. Crantz.	D. Several localities near Dublin; Leixlip; Finglas; Woodlands; Kelly's Glen. W. Dargle and Powerscourt woods.

Ajuga.
reptans. Linn. D. and W. Frequent.
Teucrium.
[Chamædrys. Linn.] D. Greenhills, near Tallaght (Wade, Rar.)
Scorodonia. Linn. D. and W. Common.

54. Boraginaceæ.

Echium.
†vulgare. Linn. D. Portmarnock, near Skerries and Balbriggan. W. Railway banks near Wicklow.
Mertensia.
maritima. Don. D. Shore at Hampton Bank, near Balbriggan, and at Loughshinny, between the two lime kilns. (Wade.) W. Kilcool, on the Murrough. Sparingly.
Lithospermum.
officinale. Linn. D. Rare. Several localities near Dublin. W. Bray and Murrough of Wicklow.
‡arvense. Linn. D. and W. Rather local, and rare.
Myosotis.
cæspitosa. Schultz. D. and W. Common.
palustris. With. D. and W. Frequent.
repens. Don. D. and W. Not unfrequent on boggy hills.
arvensis. Hoffm. D. and W. Common.
collina. Reich. D. and W. Abundant on the coast, Murrough of Wicklow, at Portmarnock, and at Malahide.
versicolor. Reich. D. and W. Frequent.
Anchusa.
‡arvensis. Linn. D. Frequent, and chiefly on the coast. W. Murrough of Wicklow.
[sempervirens. Linn.] Near Finglas (Wade, Dublin).
Symphytum.
officinale. Linn. D. and W. Frequent. Often occurs with purple flowers.
Cynoglossum.
officinale. Linn. D. Frequent near Dublin. On the coast. W. Murrough of Wicklow.
*montanum. Lam. D. Near Balbriggan; very rare, and probably introduced in this the only Irish locality.

55. Lentibulariaceæ.

Pinguicula.
vulgaris. Linn. D. and W. Frequent in the mountain district.
lusitanica. Linn. D. Foot of the Dublin Mountains. W. Near Roundwood, Annamoe, Lough Dan, etc.

Utricularia.
vulgaris. Linn. D. and W. Rare. Abundant in ditches on the Murrough of Wicklow.
minor. Linn. W. On Calary Bog. Sparingly. (W. Archer).

56. Primulaceæ.

Primula.
vulgaris. Huds. D. and W. Common. The oxlip occurs in Howth.
officinalis. Linn. D. and W. Common.
Lysimachia.
[vulgaris. Linn.] D. About Loughlinstown and Old Connaught (Irish Flora.)
[Nummularia. Linn.] D. At the Old Camp near Loughlinstown (Irish Flora.) Kilmashogue (Wade, Dublin). An escape only.
Nemorum. Linn. D. and W. Frequent.
Anagallis.
arvensis. Linn. D. and W. Frequent.
tenella. Linn. D. and W. Frequent.
Glaux.
maritima. Linn. D. and W. Common on the sea shore.
Samolus.
Valerandi. Linn. D. and W. Frequent, especially near the coast.

57. Plumbaginaceæ.

Armeria.
maritima. Willd. D. and W. Common on the coast.
Statice.
Bahusiensis. Fries. D. and W. Muddy sea shores, but rather local.
occidentalis. Lloyd. D. and W. Rocky and gravelly shores. Rather rare.

58. Plantaginaceæ.

Plantago.
major. Linn. D. and W. Common.
lanceolata. Linn. D. and W. Common.
maritima. Linn. D. and W. Common.
Coronopus. Linn. D. and W. Common.
Littorella.
lacustris. Linn. D. Howth (Irish Flora.) W. Lough Dan, Luggelaw, Kelly's Lough, etc.

61. Chenopodiaceæ.

Suæda.
maritima. Dum. D. and W. Muddy sea shore. Frequent.
Salsola.
Kali. Linn. D. and W. Sandy sea shores. Frequent.

Salicornia.
herbacea. Linn. D. and W. Muddy salt marshes. Common.
b. procumbens. Sm. D. and W. Frequent.
Beta.
maritima. Linn, D. and W. Sea shores. Common.
Chenopodium.
†olidum. Curt. D. Formerly in Dublin, but not found for many years.
album. Linn. D. and W. Frequent.
b. viride. Linn. D. and W. Not uncommon.
†murale. Linn. D. Very scarce near Dublin. Howth. Clontarf. Baldoyle. Portobello.
rubrum. Linn. D. Rubbish-heaps at mouth of Tolka and Liffey.
‡Bonus-Henricus. Linn. D. and W. Frequent.
Atriplex.
littoralis. Linn. D. Sutton. Howth. Portmarnock, etc.
angustifolia. Sm. D. and W. Frequent.
b. erecta. Huds. D. and W. Frequent.
hastata. Sm. D. and W. Frequent.
b. deltoidea. Bab. D. and W. Common about Dublin.
Babingtonii. Woods. D. and W. Common on the sea-shore.
arenaria. Woods. D. Sutton. Baldoyle.
portulacoides. Linn. D. Sutton side of Howth. Portrane.

62. Polygonaceæ.

Rumex.
conglomeratus. Mun. D. and W. Common.
nemorosus. Schrad.
a. viridis. Sibth. D. and W. Frequent.
maritimus. Linn. Dublin or Meath. Formerly on the bog at Garristown, but now apparently extinct. Not seen in 1877.
[palustris. Sm.] Once found by the Canal, near Broadstone Station. Accidental.
‡pulcher. Linn. D. Bullock Harbour, between Kingstown, and Dalkey. Baldoyle. W. Near the harbour at Bray.
obtusifolius. Linn. D. and W. Common.
crispus. Linn. D. and W. Common.
Hydrolapathum. Huds. D. Malahide, between Raheny and Baldoyle. W. Murrough of Wicklow.
Acetosa. Linn. D. and W. Common.
Acetosella. Linn. D. and W. Common.
Polygonum.
Convolvulus. Linn. D. and W. Frequent.
aviculare. Linn. D. and W. Common.

Polygonum.

Raii. Bab.	D. and W. Sandy sea-shores. Not unfrequent.
Hydropiper. Linn.	D. and W. Common.
minus. Huds.	W. Near Enniskerry. (J. Ball.) Not gathered recently.
Persicaria. Linn.	D. and W. Common.
lapathifolium. Linn.	D. and W. Unfrequent.
amphibium. Linn.	D. and W. Frequent.
‡Bistorta. Linn.	D. In a field at Ashtown, near Monkstown. (Mackay Cat. Ir.) Not found recently.

67. Empetraceæ.

Empetrum.

nigrum. Linn.	D. and W. Frequent on the Dublin and Wicklow mountains.

68. Euphorbiaceæ.

Euphorbia.

‡Helioscopia. Linn.	D. and W. Frequent in cultivated land.
Paralias. Linn.	D. and W. Frequent on sandy shores.
Portlandica. Linn.	D. and W. Sandy shores, and rocks. Frequent.
‡Peplus. Linn.	D. and W. Frequent in cultivated land.
‡exigua. Linn.	D. and W. Rather rare in cultivated land.

Mercurialis.

perennis. Linn.	D. Very rare. Hedge-bank near Finglas.
†annua. Linn.	D. Abundant near Dublin.

71. Urticaceæ.

Parietaria.

diffusa. Koch.	D. and W. Not unfrequent.

Urtica.

dioica. Linn.	D. and W. Common.
urens. Linn.	D. and W. Not unfrequent.

Ulmus.

*suberosa. Ehrh.	D. and W. Common, but planted.
b. parvifolia.	D. Santry. W. Roundwood, &c.
*montana. With.	D. and W. Frequent, but planted.

72. Amentiferæ.

Quercus.

Robur. Linn.	D. and W. Common.
b. sessiliflora. Salisb.	W. Glens near West Aston.

Alnus.

glutinosa. Linn.	D. and W. Common.

Betula.

alba. Linn.	D. and W. Frequent.

Myrica.

Gale. Linn.	D. and W. In mountainous and boggy situations. Local.

Populus.

tremula. Linn.	D. and W. Rocks and mountains, rather rare.

Salix.

*fragilis. Linn.	D. and W. Frequent, but planted.
*alba. Linn.	D. and W. Frequent, but planted.
*viminalis. Linn.	D. and W. Frequent, but planted.
†Smithiana. Willd.	D. and W. Not unfrequent.
†acuminata. Sm.	D. and W. In hedges, occasionally.
cinerea. Linn.	D. and W. Common.
b. aquatica. Sm.	D. and W. Not unfrequent.
c. oleifolia. Sm.	D. and W. Not unfrequent.
aurita. Linn.	D. and W. Frequent.
caprea. Linn.	D. and W. Frequent.
repens. Linn.	D. and W. Frequent.
c. prostrata. Sm.	D. and W. Not unfrequent.
f. incubacea. Linn.	D. and W. Not unfrequent.
g. argentea. Sm.	D. and W. Not unfrequent.
herbacea. Linn.	W. Thonelagee and Lugnaquillia.

73. Coniferæ.

Taxus.

*baccata. Linn.	D. and W. Rare, and escaped from plantations.

74. Typhaceæ.

Typha.

latifolia. Linn.	D. and W. Frequent, but local.
angustifolia. Linn.	D. Formerly near Sandymount and Merrion. (Extinct through drainage.)

Sparganium.

ramosum. Huds.	D. and W. Frequent.
simplex. Huds.	D. and W. Not unfrequent.
minimum. Fries.	D. or Meath. Garristown Bay, rare. W. Murrough of Wicklow (D.M.)

75. Araceæ.

Arum.

maculatum. Linn.	D. and W. Not unfrequent.

76. Lemnaceæ.

Lemna.

trisulca. Linn.	D. and W. Not unfrequent.
minor. Linn.	D. and W. Common.
gibba. Linn.	D. Pond at Glasnevin.
polyrrhiza. Linn.	D. Near Irishtown and in Phœnix Park.

77. Naiadaceæ.

Potamogeton.
- natans. Linn. — D. and W. Frequent.
- polygonifolius. Pom. — D. and W. Boggy places, ponds, lakes, etc.
- plantagineus. Ducros. — W. Ditches near Murrough of Wicklow.
- rufescens. Schrad — W. Murrough of Wicklow, rare (D.M.)
- heterophyllus. Schrad. — D. In the Liffey, &c. W? In the lakes?
- lucens. Linn. — D. Phœnix Park. (Wade.) In both Canals near Dublin (D.M.)
- perfoliatus. Linn. — D. Liffey above Chapelizod?
- crispus. Linn. — D. and W. Frequent.
- †densus. Linn. — D. Canal at Portobello, Dublin. Probably conveyed by traffic from the West.
- pusillus. Linn. — D. and W. Frequent.
- pectinatus. Linn. — D. and W. Local, abundant in the Canals and on Murrough of Wicklow.

Zannichellia.
- palustris. Linn. — D. and W. Frequent.

Ruppia.
- rostellata. Koch. — D. and W. Not unfrequent.

Zostera. Linn.
- marina. Linn. — D. and W. Common.
- nana. Roth. — D. Mud-flats, near Baldoyle.

78. Alismaceæ.

Triglochin.
- palustre. Linn. — D. and W. Frequent.
- maritimum. Linn. — D. and W. Frequent in muddy salt marshes.

Sagittaria.
- †sagittifolia. Linn. — D. In the Canals near Dublin, and along the Tolka, but probably introduced.

Alisma.
- Plantago. Linn. — D. and W. Frequent.
- ranunculoides. Linn. — D. and W. Frequent in boggy places.

Butomus.
- ‡umbellatus. Linn. — D. River Tolka, below Glasnevin Bridge, (probably escaped.)

79. Hydrocharidaceæ.

Hydrocharis.
- Morsus-ranæ. Linn. — D. Bogs of Curragha and Garristown and near Balruddery.

Elodea.
- canadensis. Rich. — D. and W. Plentiful in the Canals and streams.

80. Orchidaceæ.

Orchis.

pyramidalis. Linn. D. and W. Frequent, especially near Dublin.

Morio. Linn. D. and W. Local and rare. Howth, Kelly's Glen, Baltinglass and near Wooden Bridge, &c.

mascula. Linn. D. and W. Common.

latifolia. Linn. D. and W. Frequent.

b. incarnata. Linn. D. and W. Frequent.

maculata. Linn. D. and W. Common.

Gymnadenia.

conopsea. R. Br. D. and W. Frequent.

albida. Rich. D. Three Rock Mountain, and Kelly's Glen. W. Luggelaw, and other places in Wicklow.

Habenaria.

viridis. R. Br. D. and W. Rather rare.

bifolia. R. Br. D. and W. Rather rare.

b. chlorantha. Bab. D. and W. Frequent.

Ophrys.

apifera. Huds. D. and W. Rare, and chiefly on coast.

[muscifera. Linn. Recorded by Wade probably erroneously.]

Spiranthes.

autumnalis. Rich. D. Rare and local. Killiney. Dalkey. Phœnix Park. Loughlinstown. W. On the commons at Bray.

Listera.

cordata. R. Br. W. Lough Bray. Glencree. Lough Nahanagan. D. Kelly's Glen.

ovata. R. Br. D. and W. Not unfrequent.

Neottia.

Nidus-avis. Rich. D. Luttrellstown-wood, now Woodlands. W. Dargle Woods.

Epipactis.

latifolia. Linn. D. and W. Rather rare.

palustris. Linn. D. Portmarnock. Portrane. Howth. Foot Dublin Mountains. W. Murrough of of Wicklow; Enniskerry.

Malaxis.

paludosa. Sw. D. Kelly's Glen. W. Above the Powerscourt Waterfall. Sugar-loaf Mountain. Roundwood. Ballymurtagh. Tythetewer and Glencree.

81. Iridaceæ.

Iris.

[*foetidissima. Linn.] D. and W. Occasionally, as an escape from cultivation.

Iris.
Pseudacorus. Linn. D. and W. Common.
Crocus.
[vernus. All.] Near the old castle at Dunganstown (Flor. Hib.)

82. Amaryllidaceæ.

Narcissus.
[Pseudo-narcissus. Linn.] Near Dublin, escape.
[major. Curt.] Near Templeogue, escape.
†biflorus. Curt. D. Howth. Clontarf. Raheny. Finglas. Killiney. Not unfrequent near Dublin.

84. Liliaceæ.

Scilla.
verna. Linn. D. Killiney. Howth. Ireland's Eye. Malahide. W. Murrough of Wicklow and Rockfield.
nutans. Sm. D. and W. Frequent.
Allium.
vineale. Linn. D. Plentiful at Portmarnock and Feltrim Hill, Glasnevin, Phœnix Park, etc. W. Rockfield.
ursinum. Linn. D. and W. Not unfrequent.
Narthecium.
Ossifragum. Huds. D. and W. Frequent.
Colchicum.
[autumnale. Linn.] Near Finglas and Scribblestown (Irish Flora.) Probably an error.

86. Juncaceæ.

Luzula.
pilosa. Willd. D. and W. Frequent in Wicklow and Dublin.
sylvatica. Beck. D. and W. Frequent.
campestris. D.C. D. and W. Frequent.
multiflora. Koch. D. and W. Bogs and mountains. Frequent.
Juncus.
acutus. Linn. W. Sand-hills and muddy estuaries between Wicklow and Arklow.
maritimus. Sm. D. and W. Frequent.
conglomeratus. Linn. D. and W. Common.
effusus. Linn. D. and W. Common.
glaucus. Sibth. D. and W. Frequent near the sea.
obtusiflorus. Ehrh. D. Boggy margin of the shore a little east of Dollymount.
acutiflorus. Ehrh. D. and W. Common.
lamprocarpus. Ehrh. D. and W. Frequent.

Juncus.

supinus. Moench.	D. and W.	Frequent in boggy places.
bufonius. Linn.	D. and W.	Frequent.
Gerardi. Lois.	D. and W.	Frequent on the coast.
squarrosus. Linn.	D. and W.	Frequent on the mountains.

87. Cyperaceæ.

Schœnus.

nigricans. Linn.	D. Portmarnock and Portrane sands; near Balbriggan, &c. W. Murrough of Wicklow.

Cladium.

Mariscus. Brown.	W. Murrough of Wicklow.

Rhynchospora.

alba. Vahl.	D. and W. Local, and rather rare.

Blysmus.

rufus. Link.	D. Baldoyle, North Bull. Between Balbriggan and Hampton.

Scirpus.

palustris. Linn.	D. and W. Frequent.
uniglumis. Link.	D. Shore, east of Dollymount. W. Near Killoughter; Wicklow, Arklow, etc., along the coast.
multicaulis. Sm.	W. Plentiful near Lough Dan, and along Annamoe river (A.G.M.)
pauciflorus. Lightf.	D. Howth, North Bull; Dollymount; Baldoyle; Portmarnock; Balbriggan.
cæspitosus. Linn.	D. and W. Common on mountain heaths.
parvulus. R. and S.	W. On soft mud in the creeks, north side of the mouth of river at Arklow. The only locality in Ireland.
fluitans. Linn.	D. and W. Not unfrequent.
Savii. S. and M.	D. and W. Not unfrequent. On coast.
setaceus. Linn.	D. and W. Rare? and chiefly inland.
lacustris. Linn.	D. and W. Frequent.
Tabernaemontani. Gm.	D. and W. Frequent on the coast.

Scirpus.

maritimus. Linn.	D. and W. Frequent on the coast.

Eriophorum.

vaginatum. Linn.	D. and W. Frequent on moors and bogs.
angustifolium. Roth.	D. and W. Common.
[latifolium. Hoppe.	Formerly near Enniskerry. Now extinct, as the ground has been drained.

Carex.

dioica. Linn.	D. and W. Dublin and Wicklow Mountains. Local.
pulicaris. Linn.	D. and W. Frequent on dry and boggy heaths.

Carex.

divisa. Huds.	D.	North Lots, near mouth of Liffey. The only locality in Ireland.
disticha. Huds.	D. and W.	Not unfrequent.
arenaria. Linn.	D. and W.	Frequent.
paniculata. Linn.	D. and W.	Local and rather rare.
vulpina. Linn.	D. and W.	Not common, and chiefly near coast.
muricata. Linn.	D.	Stepaside. Curragha Bog. Howth. W. Fassaroe, near Bray. Delgany.
divulsa. Good.	D.	Killiney; near Stillorgan: Feltrim Hill; Castleknock; Celbridge. W. Glen of the Downs, St. Valerie, and Fassaroe.
stellulata. Good.	D. and W.	Common.
remota. Linn.	D. and W.	Not unfrequent.
?axillaris. Good.	W.	? Luggelaw, Wicklow. (Flor. Hib.)
curta. Good.	D.	Curragha Bog. Foot of Three Rock Mountain. W. Near Lough Dan and Roundwood. Shore of Lough Firrib, at 2,100 feet (A.G.M).
ovalis. Good.	D. and W.	Frequent.
stricta. Good.	D.	By the side of Royal Canal, etc. W. About the lakes in Wicklow.
rigida. Good.	W.	Top of Lugnaquillia Mountain, Wicklow, at 3,000 feet.
vulgaris. Fries.	D. and W.	Common.
glauca. Scop.	D. and W.	Common.
?limosa. Linn.	D.	"Curragha Bog." (Wade Rar.) Not found recently.
pilulifera. Linn.	D. and W.	Frequent.
præcox. Jacq.	D. and W.	Frequent.
pallescens. Lam.	D.	Curragha Bog (Wade.) Howth (Ir. Flora.) W. Moist banks near Glendalough.
panicea. Linn.	D. and W.	Common.
pendula. Huds.	D. and W.	Rare in both counties.
strigosa. Huds.	D.	Woodlands, Marino, (Mackay Rar.) and Curragha. (Wade Rar.) W. Dargle and Devil's Glen.
sylvatica. Huds.	D. and W.	Frequent.
lævigata. Sm.	D.	Kelly's Glen, Dublin.
	W.	Devil's Glen and Enniskerry.
binervis. Sm.	D. and W.	Frequent.
distans. Linn.	D. and W.	Frequent on the sea shore.
fulva. Good.	D.	Howth and Portmarnock. W. Luggelaw, and near Lough Dan.
extensa. Good.	W.	Murrough of Wicklow.
flava. Linn.	D. and W.	Frequent.
b. lepidocarpa. Tausch.	D and W.	Not unfrequent.
c. Œderi. Ehrh.	?	Frequent.

Carex.

hirta. Linn.	D. and W. Not unfrequent.
Pseudo-cyperus. Linn.	D. Brackenstown, and near Curragha. (Wade.) W. Dargle, (Wade), and near Newcastle, Wicklow. (A.G.M).
paludosa. Good.	D. Grand Canal, near Dublin. Plentiful. W. Murrough of Wicklow. Newcastle.
riparia. Curtis.	D. Donabate. W. Murrough of Wicklow.
ampullacea. Good.	D. and W. Local.
[? vesicaria. Linn.]	Curragha Bog. (Wade.) Probably C. ampullacea was mistaken for it.

88. Gramineæ.

Anthoxanthum.

odoratum. Linn.	D. and W. Common.

Digraphis.

arundinacea. Trin.	D. and W. Frequent.

Phalaris.

[canariensis. Linn.]	Occasional. Not indigenous.

Alopecurus.

geniculatus. Linn.	D. and W. Frequent.
pratensis.	D. and W. Not unfrequent.

Phleum.

pratense. Linn.	D. and W. Not common.
arenarium. Linn.	D. Sandymount. Howth. Baldoyle. Portmarnock. W. Arklow. Murrough of Wicklow.

Agrostis.

canina. Linn.	D. and W. Frequent on heaths and bogs.
alba. Linn.	D. and W. Common.
vulgaris. With.	D. and W. Common.
b. pumila. Lightf.	D. and W. Not unfrequent.

Psamma.

arenaria. R. et S.	D. and W. Frequent on sandy sea-shores.

Phragmites.

communis. Trin.	D. and W. Common.

Milium.

effusum. Linn.	W. Newtown-Mount-Kennedy. Tinnehinch, Dargle, and Powerscourt.

Aira.

cæspitosa. Linn.	D. and W. Very frequent.
flexuosa. Linn.	D. and W. Frequent, but local.
caryophyllea. Linn.	D. and W. Frequent.
præcox. Linn.	D. and W. Frequent.

Avena.

flavescens. Linn.	D. and W. Not common, and local.

Avena.	
pubescens. Linn.	D. and W. Not unfrequent.
[strigosa. Schreb.]	Cultivated land. Rare.
‡fatua. Linn.	Portmarnock.
elatior. Linn.	D. and W. Common.
Holcus.	
mollis. Linn.	D. and W. Not common.
lanatus. Linn.	D. and W. Common.
Triodia.	
decumbens. Beauv.	D. and W. Frequent.
Kœleria.	
cristata. Pers.	D. and W. Not unfrequent.
Molinia.	
cærulea. Mœnch.	D. and W. Frequent.
Melica.	
uniflora. Retz.	D. and W. Not unfrequent.
Catabrosa.	
aquatica. Beauv.	D. and W. Not unfrequent.
Glyceria.	
fluitans. Brown.	D. and W. Common.
b. plicata. Fries.	D. and W. Near Glasnevin and Dublin, etc.
aquatica. Sm.	D. Plentiful in the canals near Dublin, and along the Liffey. W. Murrough of Wicklow.
Sclerochloa.	
maritima. Lindl.	D. and W. Frequent.
distans. Bab.	D. Howth. Clontarf. North-wall. Ringsend. Kingstown, etc.
Borreri. Bab.	D. Plentiful in the North Lots, near mouth of Liffey. The only Irish locality.
rigida. Link.	D. Common near Dublin and Wicklow.
loliacea. Woods.	D. and W. Frequent on the coast.
Poa.	
annua. Linn.	D. and W. Common.
nemoralis. Linn.	D. Plentiful at Woodlands, near Dublin. W. At the Dargle.
[compressa. Linn.]	Foot of Dublin mountains? (White MS.) Probably a mistake.
pratensis. Linn.	D. and W. Common.
trivialis. Linn.	D. and W. Common.
Briza.	
media. Linn.	D. and W. Frequent.
Cynosurus.	
cristatus. Linn.	D. and W. Common.
Dactylis.	
glomerata. Linn.	D. and W. Common.

Festuca.

uniglumis. Soland.	D.	Portmarnock. Ireland's Eye. Portrane. W. Wicklow and Arklow.
Pseudo-myurus. Soyer.	D.	Howth and Donnybrook. W. Arklow and Wicklow.
sciuroides. Roth.	D. and W.	Not unfrequent.
ovina. Linn.	D. and W.	Common.
rubra. Linn.	D. and W.	Frequent.
a. duriuscula. Linn.	D. and W.	Frequent.
b. arenaria. Osb.	D. and W.	Frequent on sand-hills.
sylvatica. Vill.	W.	Dargle. Powerscourt. Devil's Glen.
elatior. Linn.	D. and W.	Rather local.
b. arundinacea. Schreb.		Rather local. On sea-shore.
pratensis. Huds.	D. and W.	Frequent.
b. loliacea. Huds.	D. and W.	Occasional.

Bromus.

giganteus. Linn.	D. and W.	Frequent.
asper. Linn.	D. and W.	Frequent.
erectus. Huds.	D.	Portmarnock, Glasnevin, Finglas, Santry, sides of Royal Canal, &c. W. Bray Head.
sterilis. Linn.	D.	Common near Dublin.
[secalinus. Linn.]		Cornfields, rare.
racemosus. Linn.	D. and W.	Not unfrequent.
commutatus. Schrad.	D.	Between Raheny and Howth? Sandymount.
mollis. Linn.	D. and W.	Common.

Brachypodium.

sylvaticum. R. et S.	D. and W.	Frequent.

Triticum.

caninum. Huds.	D.	Woodlands and other places near Dublin. W. Powerscourt.
repens. Linn.	D. and W.	Common.
b. pungens. Pers.	D. and W.	Sea-shore, frequent.
acutum. D. C.	D. and W.	Frequent on sea sands.
junceum. Linn.	D. and W.	Frequent on sea sands.

Lolium.

perenne. Linn.	D. and W.	Frequent.
[italicum. Brown.]		An escape from cultivation.
‡temulentum. Linn.	D. and W.	Locally abundant.
b. arvense.	D. and W.	Not unfrequent.

Lepturus.

incurvatus. Trin.	D. and W.	Frequent.

Hordeum.

‡sylvaticum. Huds.	D.	In a shrubbery at Mount Merrion, near Dublin. The only locality in Ireland.
pratense. Huds.	D.	Fields at Glasnevin and Portmarnock. Meadows near Dublin. W. Murrough of Wicklow.

Hordeum.
†murinum. Linn. D. Common about Dublin. W. Near Wicklow.

Nardus.
stricta. Linn. D. and W. Frequent on mountain heaths.

89. FILICES.

Hymenophyllum.
Wilsoni. Hook. D. Kelly's Glen. W. Frequent in the Glens and mountains.

[Trichomanes.]
[radicans. Sw.] W.? Found many years ago at Powerscourt Waterfall, and in Hermitage Glen, Wicklow (*fide* Flora Hibernica).

Pteris.
aquilina. Linn. D. and W. Common.

Blechnum.
boreale. Sw. D. and W. Frequent in mountainous districts.

Asplenium.
Ruta-muraria. Linn. D. and W. Frequent.
Trichomanes. Linn. D. and W. Frequent.
marinum. Linn. D. and W. Frequent on rocky shores.
Adiantum-nigrum. L. D. and W. Frequent.
[*b.* acutum. Bory.] Dunran Wood, near Newtown-mount-Kennedy, Wicklow, (D. Orr.)

Athyrium.
Filix-fœmina. Bernh. D. and W. Common.

Ceterach.
officinarum. Willd. D. and W. Rare and local.

Scolopendrium.
vulgare. Sm. Frequent.

Cystopteris.
fragilis. Bernh. W. Maulin mountain, Glen Cree.

Polystichum.
aculeatum. Roth. D. and W. Very local, and rare.
angulare. Newm. D. and W. Abundant.

Lastrea.
Filix-mas. Presl. D. and W. Common.
b. Borreri. Newm. D. and W. Frequent.
spinulosa. Presl. W. Near the Powerscourt Waterfall.
dilatata. Presl. D. and W. Common.
æmula. Brack. D. Cotbrook Glen, and Glen in Featherbed mountain, and north side of Howth. W. Plentiful at Glendalough, &c.
Thelypteris. Presl. D. Kelly's Glen. W. Glencree (Mackay).
Oreopteris. Presl. D. Rare. Kelly's Glen, and near Step aside, at base of Dublin Mountains. W. Glendalough, Sugarloaf Mountain, &c. Not unfrequent.

Polypodium.
vulgare. Linn. D. and W. Frequent.
b. cambricum. W. In the Dargle.
Phegopteris. Linn. W. Powerscourt Waterfall and Maulin Mountain, Glen Cree.

Osmunda.
regalis. Linn. D. Kelly's Glen (Mackay). Probably extinct. W. Side of river below Glendalough, Devil's Glen, &c.

Ophioglossum.
vulgatum. Linn. D. and W. Rare.

Botrychium.
Lunaria. Sw. D. and W. Rather rare. Kelly's Glen, &c.

90. Lycopodiaceæ.

Lycopodium.
clavatum. Linn. D. and W. Local in the Dublin and Wicklow Mountains.
alpinum. Linn. D. On Feather-bed Mountain, above Killakee (D. Orr).
Selago. Linn. D. and W. Frequent on the mountains.

Selaginella.
spinosa. A. Br. D. Sandhills at Portmarnock and Portrane; Howth. W. Glencree, Glencullen, &c.

Isoetes.
lacustris. Linn. W. Upper Lough Bray and Lough Dan. The plant here grows to an extraordinary length, often 24 to 27 inches.
b. echinospora. Dur. W. Upper Lough Bray (Milde).

92. Equisetaceæ.

Equisetum.
arvense. Linn. D. and W. Frequent.
maximum. Lam. D. Very rare. Near Howth, Kelly's Glen, and Dodder Valley. W. Near the Dargle, and in Powerscourt, &c.
sylvaticum. Linn. D. Kelly's Glen, Ballinascorney, and Portmarnock. W. Roundwood, &c.
palustre. Linn. D. and W. Common.
limosum. Linn. D. and W. Common.
hyemale. Linn. D. Near Whitechurch, Finglas (Rutty), Lucan, Woodlands, Leixlip.
W. Powerscourt and Kilcroney.
b. Moorei. Newman. W. Sandhills on the coast, between Arklow and Wicklow.
variegatum. Schl. D. Portmarnock and Portrane.
b. Wilsoni. Newm. Banks of Royal Canal, east of Clonsilla station; and sparingly near the Cross Guns, Glasnevin.

LIST OF THE MOSSES OF THE COUNTIES OF DUBLIN AND WICKLOW, WITH THEIR PRINCIPAL LOCALITIES.

BY

DAVID MOORE, PH.D., F.L.S.

[Read March 18, 1878.]

For full list of Irish Mosses, see "Synopsis of all the Mosses known to inhabit Ireland." Proceedings of Royal Irish Academy, Vol. 1, Series 2. Science by D. Moore, Ph.D.

Tribe 1.—Tetraphideæ.

Tetraphis. Hedw.

pellucida, Hedw. Species Musc., tab. 7, f. 1. Eng. Bot., tab. 1020. Bryol. Brit., p. 86, tab. 8. W. On dry banks at Lough Bray. Rare.

Tetrodontium. Schwæger.

Brownianum, Dicks. Bryol. Brit., p. 195, tab. 8. Tetraphis Browniana, Muscol. Brit., Ed. 2, p. 33, tab. 1. Grimmia Browniana, Eng. Bot. tab. 1422. W. Dry shaded rocks, at Lough Bray. D. In similar places at the head of Kelly's Glen. Rare.

Tribe 2.—Dicraneæ.

Pleuridium. Schimp.

subulatum, Schimp. Bryol. Europ., vol. 1, tab. 9. Coroll., p. 6. Phascum subulatum, Linn., Engl. Bot., tab. 2177. Muscol. Brit., Ed. 2, p. 6, tab. 5. Clay banks, and pasture fields. D. In similar places.

Brachyodus. Nees et Hornsch.

trichodes, Nees et Hornsch. Bryol. Germ., tab. 25. Weissia trichodes, Musc. Brit., Ed. 2, p. 83, tab. 15. Grimmia trichodes, Engl. Bot., tab. 2563. W. On rocks of granite and sandstone, near Lough Bray. D. On the same formation, in Kelly's Glen. Rare.

Dicranella. Schimp.

squarrosa, Schimp. Synops. Musc., p. 71. Briol. Ital., p. 642. Dicranum squarrosum, Schrad, Journ.-Muscol. Brit., Ed. 2, p. 98. W. On wet banks, near Seven Churches. D. By the margins of streams, in Kelly's Glen.

Schreberi, Hedw. Dicranum Schreberi. Bryol. Europ., vol. 1, Monog., p. 18, tab. 53. D. On moist, clayey banks, near Dunsink. Not hitherto observed elsewhere in Ireland.

Grevilleana, Schimp. Dicranum Grevilleanum, Bryol. Brit., p. 69, t. 33. D. Schreberianum, Muscol. Brit., ed. 2, p. 95. W. Wet gravelly banks on the side of Lugnaquilla mountain. Barren.

cerviculata, Schimp. Synops. Musc., p. 72. Dicranum cerviculatum Hedw., Bryol. Brit., p. 72, t. 16. W. On moist banks, where the soil is of a peaty nature, frequent. D. In similar places, frequent.

heteromalla, Schimp. Synops. Musc., p. 75. Dicranum heteromallum Hedw. Turner, Muscol. Hib., p. 161. Bryol. Brit., p. 73, t. 18. W. Damp ditch banks. C. D. Common.

varius, Schimp. Synop. Muscor., p. 72. Dicranum varium, Hedw. W. On moist sandy banks, and by road-sides. C. D. C.

rufescens, Schimp. Synops. Musc., p. 74. Dicranum rufescens, Turn. Musc. Hib., p. 66. W. Damp places, Lough Bray. D. In Kelly's Glen.

Ceratodon. Bridel.

purpureus, Bridel. Bryol. Univ., 1, p. 480. Didymodon purpureum Muscol. Brit., ed. 2, p. 113. W. On dry banks, sand hills near the sea coast, and on heaths which have been burned. C. D. In similar places. Common.

Rhabdoweissia. Br. et Schimp.

fugax, Br. et Schimp. Bryol. Europ., vol. 1, t. 41. Weissia striata var. minor. Hook and Tayl., Muscol. Brit., ed. 2, p. 81. W. Crevices of rocks, &c., Glenmalur and Powerscourt Waterfall.

denticulata, Br. et Schimp. Weissia denticulata, Bryol. Univer., 1, p. 342. W. Crevices of rocks, Glenmalur and Upper Lough Bray.

Blindia. Br. et Schimp.

acuta Br. et Sch. Bryol. Europ., vol. 2. Monog., p. 3, t. 114. Weissia acuta, Hedw. W. Dripping rocks, and moist banks in sub-alpine places, Lough Bray. D. Kelly's Glen.

Cynodontium. Br. et Schimp.

Bruntoni Br. et Schimp. Bryol. Europ., vol. 1, t. 44. Dicranum Bruntoni, Eng. Bot., t. 2509. Didymodon Bruntoni, Muscol. Brit., ed. 2, p. 117. W. Damp rocks, at the Waterfall, Powerscourt, and near Seven Churches. Rare.

Dicranum. Hedw.

Scottianum, Turner. Muscol. Hib., p. 75. Eng. Bot., t. 1977. Bryol. Brit., p. 75, t. 18. W. Damp rocks, at Lough Bray and Glenmalur. Rare.

fuscescens, Turner. Muscol. Hib., p. 60. Bryol. Brit., p. 77, t. 18. Dicranum Scoparium, var. β. fuscescens. Muscol. Brit., ed. 2, p. 101. Hab. W. Damp rocks, Luggelaw and Upper Lough Bray. Rare.

scoparium, Hedw. Sp. Musc., t. 126. W. On rocks and trees, with its varieties. C. D. In similar places. Common.

majus, Turner. Muscol. Hib., p. 58. Dicranum scoparium var. majus. Muscol. Brit., ed. 2, p. 101. W. Trunks of trees in shady situations, and on banks and rocks at Lough Bray, and Powerscourt Waterfall.

Campylopus. Bridel.

longipilus, Bridel. Bryol. Univ., 1, p. 477. Bryol. Brit., p. 90, t. 40. Dicranum longipilum, C. Muller, Synop. Muscor., 1, p. 414. W. Turf bogs and wet rocks, at Seven Churches. Barren.

brevipilus, Br. et Schimp. Bryol. Europ., vol. 1, t. 92. Bryol. Brit., p. 81, t. 40. Dicranum brivipilum. C. Muller, Synops. Muscor., vol. 1, p. 412. D. Bogs and wet banks, on the Hill of Howth. Barren.

alpinus, Schimp. Muscor. Europ. Nov., fasc. 1 et 2. C. intermedius, Wils. M. S. fide Braithwaite, in "Journal of Botany," p. 4, Dec. 1870. W. On moist rocks and banks, Lough Bray and Powerscourt Waterfall. D. Kelly's Glen.

flexuosus, Dill. Bryol. Europ., vol. 1, Monogr., p. 3, t. 89. Bryol. Brit., p. 90, t. 16. Dicranum flexuosum, Muscol. Brit., ed. 2, p. 94. W. Damp rocks and moist banks, at Lough Bray. D. In similar places, Kelly's Glen.

setifolius, Wils. Bryol. Brit., p. 89, t. 40. Schimp. Musc. Europ., No. 1055. W. On wet banks among grass and heath, near the Waterfall at Powerscourt.

fragilis, Br. et Schimp. Bryol. Europ. vol. 1, Monogr., p. 4, t. 90. C. densus, Bryol. Brit., p. 88, t. 40. Dicranum flexuosum var. fragile, Turner, Muscol. Hib., p. 74. W. Bogs, rocks, and shady banks at Lough Bray and Powerscourt. D. Hill of Howth.

torfaceus, Br. et Schimp. Bryol. Europ., vol. 1, Monogr., p. 5, t. 91. Dicranum flexuosum Hedwig, Sp. Musc., t. 28. Bryum fragile, Dicks, fasc. 3, p. 5. W. Shady banks, margins of cut, drains, &c. C. D. In similar situations. Common.

Dicranodontium. Bruch et Schimp.

longirostre, Br. et Schimp. Bryol. Europ., vol. 1, tab. 88. Bryol. Brit., p. 86, t. 39. Didymodon longirostrum, Web. et Mohr. W. Shady banks and crevices of rocks, at Lough Bray and Glenmalur.

TRIBE 3.—GRIMMIEÆ.

Campylostelium Bruch et Schimp.

saxicola, Br. et Schimp. Broyl. Brit., p. 52, t. 13. Dryoptodon saxicola, Bridel. Bryol. Univ., 1, p. 770. Grimmia saxicola Musc. Brit., ed. 2, p. 67. W. On granite rocks near Lough Bray. D. On similar formation, about Kelly's Glen.

Grimmia Ehrh.

pulvinata, Smith. Engl. Bot., t. 1728; Muscol. Brit., ed. 2, p. 68. W. On walls and rocks. C. D. Common.

orbicularis, Br. et Sch. Bryol. Europ., vol. 3. Monogr., p. 13, t. 240. Broyl. Brit., p. 154, t. 45. D. On the faces of walls in warm situations; wall by the roadside leading to Dublin from Stillorgan.

spiralis, Hook and Taylor. Muscol. Brit., p. 69. Dryoptodon spiralis, Bridel. Broyl. Univ. 1, p. 772. W. On rocks at Upper Lough Bray. (Barren.)

torquata, Greville. Scot. Crypt. Fl., [t. 199. G. torta, Nees et Hornsch. Bryol. Brit., p. 156, t. 32. W. On moist rocks near the summit of Sugarloaf Mountain.

trichophylla, Greville. Scot. Crypt. Fl. t. 100. Dicranum pulvinatum, var. argenteum, Turn. Musc. Hib., p. 78. W. On rocks where the river is crossed going from Luggelaw to Lough Dan. D. On the mountains. Frequent.

Schultzii, Bridel. Bryol. Univ., 1, p. 199. Bryol. Brit., p. 157, t. 45. Trichostomum patens, Var. piliferum. Muscol. Brit., p. 105. D. Rocks at Luggelaw. D. Near the Scalp.

patens, Br. et Sch. Bryol. Europ., vol. 3. Monogr., p. 18, t. 246. Trichostomum patens, Schwægr. Suppl., t. 37. W. Moist rocks at the Waterfall, Powerscourt.

ovata, Web. et Mohr. Bryol. Brit., p. 160, t. 13. Muscol. Brit., ed. 2, p. 71. D. On rocks, Hill of Howth, and Killiney Hill. (Barren.)

Schistidium, Br. et Schimp.

maritimum, Br. et Sch. Bryol. Europ. Monogr., p. 10, t. 255. Bryol. Brit., p. 151, t. 13. Grimmia maritima Turn. Musc. Hib., t. 3, p. 2. On rocks close to the sea, D. W. Common.

Ptychomitrium, Br. et Schimp.

polyphyllum, Br. et Schimp. Bryol. Europ., vol. 3. Monogr. p. 4, t. 229. Bryol. Brit., p. 173, t. 19. Trichostomum polyphyllum, Turn Musc. Hib., p. 35, t. 7. W. On rocks at Lough Bray. D. Near the Scalp, and at Killake.

Racomitrium, Bruch et Schimp.

canescens, Bridel. Bryol. Univ., 208. Bryol. Brit., p. 170, t. 19. Trichostomum canescens Hedw., St. Cr., 3, t. 3. Eng. Bot. t. 2534. W. Damp sandy ground, and among rocks frequent. D. In similar places frequent.

lanuginosum, Bridel. Bryol. Univ., 1, p. 215. Bryol. Brit., p. 169. t. 19. Trichostomum lanuginosum Hedw. Turner Muscol. Hib., p. 38. W. On heaths and on the roofs of thatched houses in continuous layers. D. In similar situations. Common. In both places.

heterostichum, Bridel. Bryol. Univ., 1, p. 214. Bryol. Brit., p. 163, t. 19. Trichostomum heterostichum Hedw., Smith, Eng. Bot., t. 1347. W. Among rocks and on walls, Lough Bray and Seven Churches. D. In similar places. Frequent. The varieties β. alopecurum, γ. gracilescens, δ. pumilum occasionally occur in both counties.

sudeticum, Br. et Schimp. Bryol. Europ., vol 3. Monogr., p. 7, t. 264. Trichostomum microcarpon, Hedw. Turner, Muscol. Hib. p. 40. W. On rocks at Lough Bray.

aciculare, Bridel. Bryol. Univ., 219. Bryol. Brit., p. 165, t. 19. Trichostomum aciculare, Muscol. Brit., p. 107. W. On rocks, in the beds of the mountain streams, Lough Bray, and Powerscourt. D. In similar places about Killakee. Frequent in both counties.

protensum, Al. Braun. Bryol. Europ., vol. 3, Monogr. p. 6. t. 263. R. aquaticum, Bridel. Bryol. Univ., 1, p. 222. Dicranum aciculare, γ. graciie. Turn. Musc. Hib., p. 67. W. Rocks in the mountain torrents, at Upper Lough Bray.

ellipticum, Br. et Sch. Bryol. Europ., vol. 3, Monogr. p. 5, t. 261. Dicranum ellipticum, Turn, Muscol. Hib., p. 76. Trichostomum ellipticum, Muscol. Brit., ed. 2., p. 109. W. Moist rocks near the summit of Lugnaquilla.

fasciculare, Bridel. Bryol. Univ., 1, p. 218. Trichostomum fasiculare, Turn., Musc. Hib. p. 39. W. On rocks and stones among the mountains. C. D. In similar places. Common in both counties.

TRIBE 4.—LEUCOBRYEÆ.

Leucobryum. Hampe.

glaucum, Hampe. Rabenhor. Bryothec. Europ., No. 30. Bryol. Brit., p. 82, t. 16. Dicranum glaucum, Hedw. Turner, Musc. Hib., p. 73. Eng. Bot. t. 2166. Oncophorus glaucus. Bryol. Europ., vol. 1, Monogr., p. 5, t. 97 et 98. W. On heaths and bogs on the mountains, frequent. D. In similar places, on the Hill of Howth, and the mountains about Killakee, frequent, but barren.

TRIBE 5.—TRICHOSTOMACEÆ.

Phascum.

cuspidatum, Schreber. De phasc, p. 8, t. 1, f. 2. Bryol. Brit., p. 31, t. 5. P. acaulon, Linn. Sp. Plant, 1570. D. Banks and fields, frequent. The variety δ. piliferum. Bryol. Brit., occurs on hedge banks near Baldoyle and at Howth.

p. bryoides, Dicks. Crypt. Fasc. 4, t. 10, f. 3. Eng. Bot. t. 1180. Bryol. Brit., p. 33, t. 5. D. On banks and in fields. Hill of Howth, very rare. The only locality in Ireland at present known.

rectum, Wither. Bot. Arr., ed. 4, p. 771. t. 18, f. 1. Bryella recta, Berk. Handb. Brit. Mosses, p. 300. D. Frequent, but rarer elsewhere through the country.

curvicollum, Hedw. Sp. Muscor., p. 21, Eng. Bot., t. 905. D. "On Banks near Dublin; more rare than the last." (fide Taylor*).

* In Fl. Hib. I hav never collected this plant in Ireland, nor have I seen Irish specimens of it.—D.M.

Gymnostomum. Hedwig.

rupestre, Schwaegr. Suppl., vol. 1, p. 11, t. 33-34. Muscol. Brit. p. 19. Bryol. Brit., p. 42, t. 32. W. Fissures of wet rocks in sub-alpine rivulets, Dargle river. D. Killakee Glen, sparingly.

microstomum, Hedw. Stirp. Crypt., 3, p. 71, t. 30. Eng. Bot., t. 2215. Hymenostomum, Bryol. Europ. vol. 1. Monogr. p. 4, t. 16. W. Banks and fields. C. D. In similar places Common.

Pottia. Ehrh.

cavifolia, Ehrh. Beitrage. Bryol. Europ., vol. 2. Monogr. p. 7, t. 118. Gymnostomum ovatum, Hedw. Eng. Bot. 1889. Barbula cavifolia, Schimp. Synop. Muscor., p. 734. D. On the tops of mud walls by waysides. C. But only so in that county.

Wilsoni, Br. et Schimp. Bryol. Europ., vol. 2, Monogr., p. 11, t. 122. Gymnostomum, Wilsoni, Hook, in Bot. Miscel, 1830, vol. 1, p. 43, t. 41. Suppl. Eng. Bot., t. 2710. D. Banks and tops of walls built of mud, especially near the sea, at Howth and Killiney. W. At Bray Head.

Starkeana, C. Muller. Synops. Musc. Mitten, in "Journal of Botany," vol. 9, No. 97. Weissia Starkeana, Muscol. Brit., p. 79, t. 14. Grimmia Starkeana, Turner, Musc. Hib., p. 26. Gymnostomum conicum, Schwaegr., Suppl., t. 9. D. Banks and fields at Howth, Killiney, and near Clontarf.

The Variety β. brachyodus, Weissia affinis, Hook and Tayl. Grows on the Railway banks near the Killiney Station.

Heimii, Br. et Schimp. Bryol. Europ., vol. 2, Monogr., p. 12, t. 124. Bryol. Brit., p. 96, t. 7. Gymnostomum Heimii, Hedw. Turn. Musc. Hib., p. 9. Muscol. Brit., p. 22. D. Banks and marshy places near the sea, near the North Wall, and Portmarnock.

lanceolata, Müller. Synops. Muscor., Mitten in "Seeman's Journal of Botany," vol. 9, p. 3. Anacalypta lanceolata, Rohling, Moosgeschichte Deutchl. Gymnostomum intermedium, Turner, Musc. Hib., p. 7, t. 1, fig. a. c. D. Fields, banks, and waste ground where the soil is of a calcareous nature frequent.

truncata, Br. et Schimp. Bryol. Europ., vol. 2, Monogr., p. 9, t. 120-121. Bryol. Brit., p. 94, t. 7. Gymnostomum truncatum, Nees et Hornsch. Bryol. Germ., t. 9, fig. 8. W. Fallow fields, banks and moist ground. C. D. In similar places. Common.

crinita, Wilson. Bryol. Europ., vol. 2, Suppl. 1, t. 123. Bryol. Brit., p. 95, t. 41. D. Banks facing the sea, Hill of Howth, rare.

Anœctangium. Br. et. Schimp.

compactum, Schwægr. Suppl., t. 2. Bryol. Brit., p. 311, t. 6. Gymnostomum æstivum, Hedw. Sp. Musc., t. 2, fig. 4. G. luteolum, Engl. Bot., t. 220. Hedwigia æstiva, Muscol. Brit., p. 18. W. In crevices of wet rocks. Upper Lough Bray, rare.

Weissia, Hedw.

viridula, Bridel. Bryol. Europ., Vol. 1., Monogr., p. 5, t. 21. W. controversa, Hedw. Hook and Tayl. Muscol. Brit., p. 85. Bryol. Brit., p. 46, t. 15. W. Dry banks and waste places. C. D. In similar places. Common.

cirrhata, Hedw. Sp. Musc., t. 12. Bryol. Brit., p. 47, t. 15. W. On rocks on Sugar-loaf Mountain, and Lough Bray. D. Hill of Howth, and at Killiney.

verticillata, Bridel. Spec. Musc., p. 121. Bryol. Brit., p. 49, t. 15. Grimmia verticillata, Turner, Musc. Hib., p. 31. Encladium verticillatum, Bryol. Europ., vol. 1, Monogr., p. 3, t. 40. W. On calcareous wet rocks, Lough Bray. D. On similar formation, near the sea, at Howth.

Splachnobryum, C. Muller.

Wrightii, C. Mull. Braithwaite, in "Journal of Botany" for July 1872, plate 123. Entosthodon minimus, Hunt in "Manchester Lit. and Phil. Society's Memoirs," 11, p. 19, 1871. Amblyphyllum hibernicum, Lindb. MS. On the walls and floors of a forcing plant pit, Botanic Garden, Glasnevin. This little moss has for several years been noticed growing annually within this limited locality. It is, no doubt, an alien which has been introduced with foreign plants from the West Indies, and become naturalised here, where it grows.

Didymodon. Br. et Schimp.

cylindricus, Br. et Schimp. Bryol. Europ., vol. 2, Monogr. p. 5, t. 187. Trichostomum tenuirostre, Lindberg, Trichost, Europ. p. 15. Weissia tenuirostris, Muscol. Brit., p. 83, t. 3. W. On wet banks and rocks in the mountain streams Lough Bray and Powerscourt Waterfall. D. In similar places, frequent among the mountains.

rubellus, Br. et Schimp. Bryol. Europ. vol. 2. Monogr. p. 3, tab. 185. Weissia curvirostra. Hook and Tayl., Muscol. Brit. p. 84. W. Wet banks and damp walls, frequent. D. In similar situations, frequent.

Trichostomum. Br. et Schimp.

flavovirens, Bruch. In Mull. Musc. Sardin. Bryol. Europ., vol. 2. Monogr., p. 6, t. 172. W. Sandhills near the sea. C. D. In similar places. Common.

crispulum, Bruch et Schimp. Bryol. Europ., vol. 2. Monogr. p. 7, t. 173. Byrol. Brit, p. 111, t. 41. Diodymodon crispulus. Tayl. in Fl. Hib., p. 18. W. Rocks and banks, chiefly on limestone formation, frequent. D. On similar formation. Common.

tophaceum, Br. et Schimp. Bryol. Europ., vol. 2. Monogr. p. 9, t. 175. Bryol. Brit., p. 113, tab. 20. Didymodon trifarium. Hook and Tayl. Muscol. Brit. ed. 2, p. 118, 20. W. On wet clay banks and on rocks, frequent. D. Frequent.

Ditrichum. Timm.

flexicaule, Hampe. l. c. Leptotrichum flexicaule, Muller. Synop. Muscor., 1, p. 449. Trichostomum flexicaule, Bryol. Europ. vol. 2. Monogr. p. 15, tab. 180. Bryol. Brit. p. 116, tab. 42. Hab. W. On sand hills near the sea, and on dry rocky places inland. Murrough of Wicklow and Arklow, and generally distributed through the county. D. In similar places, Portmarnock and Malahide sands, and at the North Bull, frequent.

Tortula, et Barbula, Hedw.

lamellata, Lindberg, Om. de. Europeiska Trichostomeæ, p. 23. Helsingfors, 1864. Gymnostomum ovatum, var. δ gracilis Wils. Bryol. Brit., p. 93. G. ovatum, var. β gracilis. Hook and Tayl. Musc. Brit., ed. 2, p. 2. D. On the tops of mud walls. C.

rigida, Schultz. Recens. Gen. Barbula. et Syntrichia, t. 32, f. 1. Barbula rigida, Bryol. Europ., vol. 2. Monogr., p. 13. t. 137. D. On the tops of walls, frequent.

ambigua, Wils. Bryol. Brit., p. 120, t. 42. T. rigida. Turner. Musc. Hib. Spicil., p. 43. D. On the tops of walls. Common.

aloides, Koch. De Notr. Musc. Ital., 1, p. 15, tab. 1. Barbula aloides, Byrol. Europ., vol. 2, Monogr. p. 15. t. 139. Hab. W. On clay banks. C. D. Common.

atrovirens, Taylor. In "London Journal of Botany." Jan. 1846 Grimmia atrovirens. Smith, Engl. Bot. tab. 2015. Hab. W. On banks near the sea. C. D. Common.

revoluta, Schwaegr. Suppl. 1. 127, tab. 32. Barbula revoluta Bryol. Europ., vol. 2. Monogr. p. 27, t. 153. W. On walls. W. D. Common.

convoluta, Hedw. Stirp 1, p. 86. Bryol. Brit., p. 127, t. 12. Barbula convoluta, Rabenhor. Bryothec. Europ., No. 229, W. On walls, and on hard ground. C. D. C. The variety β. Sardoa. Wils., was found near Luttrelstown, Dublin, by Dr. Taylor.

cuneifolia, Dickson. Bryum cuneifolium Dicks., Peant. Crypt. Brit., fasc. 3, p. 7. Bryol. Brit., p. 128, t. 12. D. On banks near the sea. North side of the Hill of Howth. Rare.

Vahliana, Schultz. Recens. 222, t. 34, f. 34. T. oblongifolia, Bryol. Brit., p. 129, t. 43. Var. β. subflaccida, Lindberg. D. On mud banks frequent. The variety β. subflaccida is also frequent.

muralis, Timm. Fl. Megapol., p. 220. Bryol. Brit., p. 130. W. Walls and banks. C. D. Common.

unguiculata, Hedw. De Notr., Syllab., No. 932. Bryol. Brit., p. 24, t. 12. W. On walls, rocks, and banks. C. D. Common.

fallax, Hedw. De Notr. Musc. Ital., 1, p. 58, t. 29. Bryum imberbe Huds., Fl. Angl., Ed. 1, p. 409. W. Banks and damp walls. C. D. Common.

vinealis, Bridel. Bryol. Brit., p. 124, t. 10. W. On walls and rocks. C. D. Common.

rigidula, Mitten. In "Seeman's Journal of Botany," vol. 5, 1867. Trichostomum rigidulum, Turn., Musc. Hib., p. 34. Bryol. Brit., p. 114. W. On wet clay banks frequent. D. In similar places frequent.

insulana, De Notr. In Mem. Acad., Turin, p. 40, 320, id. Syllab., p. 180. T. vinealis, β. flaccida, Bryol. Brit., p. 124. Zygotrichia cylindrica Tayl. in Fl. Hib., p. 26. W. By the side of the Dargle River.

subulata, Bridel. Spec. Musc., vol, 1, p. 267. Bryum subulatum Lin. Spec. Plant. T. subulata, Hedwig. Eng. Bot., tab. 1101. Bryol. Brit., p. 132, t. 12. W. and D. Hedge-banks, on the trunks of trees, and on walls, frequent.

latifolia, Bruch. Bryol. Brit., p. 133, t. 43. Syntrichia latifolia, Bruch. M.S. Hubener, Muscol. Germ., p. 342. D. On old wood, and on the stems of Alder and Willows which are frequently submerged, by the side of the River Tolka.

Var β. mutica, Schultz. W. On trees at Westaston.

lævipila, Bridel. Bryol. Brit., p. 133 tab. 43. T. ruralis β. lævipila, Hook, and Grev. Barbula lævipila. Bryol. Europ., vol. 2, Monogr., p. 40, t. 164. W. and D. On trunks of trees. Common.

ruralis, Linn. Musc. Hib., p. 50. Bryol. Brit., p. 134, t. 12. Bryum rurale, Linn. Sp. Plant., 1, ed. 2, p. 1116. W. and D. Roofs of thatched cottages, and walls. Common.

papillosa, Wils. Bryol. Brit., p. 135, t. 44. Barbula papillosa, Rabenhor. Bryothec Europ., No. 455. W. On the trunks of trees at Powerscourt. D. Old Elm trees in the Botanic Garden, Glasnevin, and other places, frequent.

sinuosa, Wilson. M.S. fide Mitten in Seeman's "Journal of Botany," vol. 5, p. 327, (1867). D. On limestone rocks; also on the roots of trees in the Phœnix Park, and between Malahide and Portmarnock.

squarrosa, De Notr. Syllab., p. 180. Bryol. Brit., p. 126, t. 43. Pleurochœte squarrosa, Lindberg. Europ. Trichost., p. 47. W. On limestone rocks and sand-hills. Arklow and Woodenbridge. D. Sands at Portmarnock and Malahide.

Encalypta. Schreber.

streptocarpa, Hedw. Spec. Mus., p. 62, t. 10. Bryol. Brit., p. 145, tab. 13. D. On a mortared wall by the roadside leading to Finglass. Barren.

vulgaris, Hedw. Spec. Musc., p. 60. Bryol. Brit., p. 142., tab. 13. Hab. D. On the tops of walls near Donnybrook. Plentiful in an old limestone quarry near Cloghran, north of Dublin.

Cinclidotus. Beauvois.

fontinaloides, Beauv. Prodr., p. 52. Bryol. Brit., p. 139, t. 11. W. In rivulets and streams attached to stones. C. D. Common.

TRIBE 6.—ORTHOTRICHEÆ.

Orthotrichum. Hedwig.

anomalum, Hedw. Stirp. Crypt., tab. 37. Bryol. Europ., vol. 3. Monogr., p. 10, t. 210. D. On limestone rocks near the Dodder River at Sallygap. Very rare.

saxatile, Bridel. Bryol. Univers. 1, p. 275. Oanomalum, Wilson. Eng. Bot. Suppl., tab. 2696. Turn. Musc. Hib., p. 94. W. and D. Rocks and walls. Common.

Sturmii, Hornsch. et Hoppe. Crypt. Cent. 2 Decas, 2. Bryol. Europ., vol. 3, Monogr., p. 9, tab. 209. W. On rocks by the side of the lake at Luggelaw.

tenellum, Bruch. Bryol. Europ., vol. 3, Monogr. p. 15, t. 212. Bryol. Brit., p. 178, t. 45. W. On trees at Westaston. D. Near Ashtown.

stramineum, Hornsch. Bryol. Europ., vol. 3, Monogr., p. 23, t. 218. W. On trees near Seven Churches. Also at Westaston, and near Woodenbridge.

pumilum, Dickson. Crypt. Fasc. 4., p. 5. Bryol. Brit., p. 178, t. 45. D. On trees near Malahide.

pallens, Bruch et Schimp. Bryol. Europ., vol. 3., Monogr., p. 24, tab. 218. Bryol. Brit., p. 179, t. 45. W. On trees at Westaston.

rivulare, Turner. Musc. Hib., p. 96, t. 8. Bryol. Brit., p. 183, tab. 24. W. On rocks and stones in the Dargle River.

affine, Schrad. Bryol. Brit., p. 181, tab. 21, Hab. W. and D. On trees. Common.

fastigiatum, Bruch. Bryol. Brit., p. 180, tab. 45. D. On trunks of trees at Woodlands.

Lyellii, Hook. et Tayl. Muscol. Brit., p. 129, tab. 22. Bryol. Brit., p. 183, t. 22. W. On trunks of trees at Westaston, and Seven Churches.

diaphanum, Schrad. Spicil. Tl. Germ., p. 69. Bryol. Brit., p. 185, t. 21. W. and D. On trees. Common.

leiocarpum, Br. et Sch. Bryol. Europ., vol. 3, Monogr., p. 28, t. 220. O. striatum, Hedwig. Turn. Musc. Hib., p. 95. W. and D. On trees. Common.

pulchellum, Smith. Engl., Bot., tab. 1787. Bryol. Brit., p. 186, tab. 21. D. On trees at Ballinascorney Glen.

Drummondi, Hook. et Grev. In "Edin. Journ. of Science," vol. 1, p. 120. Bryol. Brit., p. 189, tab. 34. Ulota Drummondi, Bridel. W. On trunks; usually of young trees, frequent.

O. Hutchinsiæ, Hook. et Tayl. Muscol. Brit., p. 131, tab. 21. Bryol. Brit., p. 190, tab. 21. Ulota Hutchinsiæ, Briol. Ital., p. 290. W. On rocks among the mountains. Luggelaw and Lough Dan.

O. crispum, Hedw. Sp. Musc., p. 162. Bryol. Brit., p. 188, t. 21. W. On trees, and sometimes rocks frequent. D. Common.

phyllanthum, Bruch et Schimp. Bryol. Europ., vol. 3, Monogr., p. 30, tab. 223. W. On trees, and rarely on rocks. C. D. Common.

Zygodon. Hook. et Tayl.

viridissimus, Bridel. Bryol. Univ. 1, p. 592. Gymnostomum viridissimum, Smith. Eng. Bot., tab. 1583. W. On trees at Westaston. D. On rocks near Malahide, and on trees near Dunsink.

conoideus, Dickson. Crypt. Fasc. 4, tab. 11, fig. 2. Bryol. Brit., p. 193, t. 21. W. On the trunks of trees at Powerscourt.

TRIBE 7.—FUNARIEÆ.

Sphaerangium. Schimp.

muticum, Schimp. Synops. Muscor, p. 13. Phascum. muticum, Schreb. de Phasc., p. 8, t. 1, figs. 11–12. D. Damp sands at Malahide. Rare.

Physcomitrium. Bridel.

ericetorum, Br. et Schimp. Bryol. Europ., vol. 3, Monogr., p. 13, tab. 300. Gymnostomum fasciculare, Hook. et Tayl. Muscol. Brit., Ed. 2, p. 24. W. On heaths and on damp ground. Luggelaw and Lough Bray frequent. D. Glenmacnass and Glencree.

pyriforme, Br. et Schimp. Bryol. Europ., vol. 3, Monogr., p. 2, tab. 299. Hab. W. On damp ground. C. D. Common.

Entosthodon. Schwægr.

Templetoni, Schwægr. Suppl. tab. 13. Funaria Templetoni, Smith. Engl. Bot., t. 2524. Weissia Templetoni, Hook, and Tayl. Muscol. Brit., p. 77. W. On moist banks, and in crevices of wet rocks at Upper Lough Bray. C. Near Stepaside and other places by the sides of damp banks.

Funaria. Schreber.

hygrometrica, Hedw. Sp. Musc., p. 172. Bryol. Brit., p. 269. On banks and walls. C. D. Common.

TRIBE 8.—SPLACHNEÆ.

Splachnum. Br. et Schimp.

ampullaceum, Linn. Sp. Pl., p. 1572. Bryol. Brit., p. 289, t. 9. W. Boggy places and heaths, on the dung of herbivorous animals. Frequent. D. Killakee, and other mountainous parts.

sphæricum, Hedw. Stirp. 2, 46, t. 16. Bryol. Brit., p. 290, tab. 9. Hab. W. In similar places as the preceding, and often found growing with it, in both counties.

mnioides, Linn. fil. Meth. Musc., p. 6. Eng. Bot., t. 1589. Tetraplodon mnioides, Br. et Sch. Bryol. Europ., vol. 3, Monog., p. 5, t. 289. W. Moist places on the dung of Animals, Lugnaquilla. Rare.

TRIBE 9.—BARTRAMIEÆ.

Bartramia. Hedw.

fontana, Bridel. Bryol. Univer., 2, p. 20. Bryol. Brit., 279, t. 23. W. In wet boggy places. C. D. Common.

The Var. falcata, De Notaris, Wils. and Brid. W. On the ascent to Lugnaquilla.

calcarea, Br. et Sch. Bryol. Europ., vol. 4, Monog., p. 19, t. 325. W. Sides of streams in limestone districts, at Glenmalur.

caespitosa, Wils., fide Hunt, in "Memoirs of the Literary and Philosophical Society of Manchester," third series, vol. 3, p. 239, 1867. W. On damp ground Glenmalur, and near Kelly's Lake, rare.

rigida, Bals. et De Notr. Pugill., No. 1. Bryol. Brit., p. 278, t. 52. Hab. W. On shady rocks between Arklow and Woodenbridge.

ithyphylla, Bridel. Bryol. Univ., 2, p. 43. Eng. Bot., t. 1710. W. Rocks in mountainous parts. Lough Bray and Dargle.

pomiformis, Hedw. Sp. Musc. 164. Eng. Bot., t. 998. W. On dry banks at Seven Churches. D. Kelly's Glen.

arcuata, Bridel. Muscol. 4, p. 139. Eng. Bot., t. 1237. Bryol. Brit., p. 283, t. 23. W. On shaded rocks, Lough Bray.

Tribe 10.—Bryeæ.

Bryum. Hook. et Tayl.

acuminatum, Br. et Schimp. Bryol. Europ., vol. 4, Monogr., p. 21, t. 342, 343. Pohlia acuminata, Hornsch., in New Bot. Zeit. 2, p. 94. Hab. W. On the rocky sides of mountain streams, on Toole's rocks.

crudum, Schreb. Flor. Lips., p. 83. Webera cruda, De Notr., Briol. Ital., p. 424. W. Banks and wet rocks, Seven Churches and Lough Bray. D. Kelly's Glen.

nutans, Schreb. Spic. Flor. Lips., p. 81. Bryol. Brit., p. 225, t. 29. Hab. W. On heaths and sandy banks. C. D. Common.

annotinum, Hedw. Sp. Musc., t. 43. Bryol. Brit., p. 226, t. 47. Webera annotina, De Notr., Briol. Ital., p. 421. Hab. W. Banks and sand hills near the Seven Churches, in fruit. D. Portmarnock and other sand hills round the coast.

carneum, Linn. Sp. Pl., p. 1587. Bryol. Brit., p. 227. t. 29. Hab. W. shady moist banks. C. D. Common.

Wahlenbergii, Schwægr. Suppl., t. 70. Webera albicans De Notr., Briol. Ital., p. 420. Hab. W. Wet banks on sides of streams, at Lough Bray and Seven Churches. D. Kelly's Glen.

Warneum, Blandow. Bryol. Univ. 1, p. 675. Pohlia Warnensis, Schwægr., Suppl., t. 236. D. Sand hills near the sea, North Bull, Portmarnock and Malahide. Very local.

Maratii, Wils. Bryol. Brit. Addenda, p. 18, t. 32 b. Bryol. Europ., Suppl. 2, t. 640. D. Damp sandy ground, North Bull, Dublin. Rare.

alpinum, Linn. Syst. Pl., p. 949. Eng. Bot., t. 1263. Bryol. Brit., p. 231. W. Damp rocks Lough Bray.

pallens, Swartz. Musc. Suec., t. 4. Bryol. Brit., p. 233, t. 29. W. and D. In glens among the mountains, frequent.

uliginosum, Br. et Sch. Bryol. Europ., vol. 4, Monogr., p. 18, t. 339. D. Marshy ground on the mountains, very rare.

pendulum, Schimp. Synops. Muscorum, p. 348. B. cernuum, Bryol. Europ., vol. 4. Monogr., p. 14, t. 331. Bryol. Brit., p. 235, t. 47. D. Walls and gravelly places, near Baldoyle, and on a wall in the Phœnix Park.

inclinatum, Br. et Schimp. Bryol. Europ. Monogr., p. 16, t. 334. D. Peaty banks among the mountains, and on the tops of walls, frequent.

intermedium, Bridel. Bryol. Univ. 1, p. 632. Bryol. Brit., p. 237, t. 49. D. Tops of walls and sand hills, near Malahide and other places frequent.

bimum, Schreb. Sp. Flor. Lips., p. 83. B. ventricosum, Dicks. Pl. Crypt., Fasc. 1, p. 4. W. Marshy and boggy places. C. D. In similar places. Common.

torquescens, Br. et Schimp. Bryol. Europ. vol. 4, Monogr. p. 49, tab. 358. D. On the top of a wall at Sheep-hill Demesne, also at Ashtown.

capillare, Hedw. Sp. Musc. p. 131. Bryol. Brit. p. 242, t. 29. W. On walls and rocks. C. D. Common.

Donianum, Greville, in Linn. Soc. Transact., vol. 15, p. 345, t. 3, f. 6. B. platyloma, Bryol. Europ., vol. 4, Monogr, t. 58, p. 366. D. On the north side of the Hill of Howth, on a damp bank by the side of one of the new roads. Barren.

cœspititium, Linn, Sp. Pl., p. 1586. Bryol. Brit. p. 243. W. On walls and waste ground. C. D. Common.

erythrocarpum, Schwægr. Suppl. tab. 70. B. sanguineum, Bridel., Bryol. Univ., 1, p. 971. Bryol. Brit., p. 243, tab. 50. D. Heaths and dry banks, Hill of Howth.

atropurpureum, Web. et Mohr. Ind. Musc. B. bicolor, Turn., Musc. Hib. Partly. W. Banks and waste places at Seven Churches. D. On the Hill of Howth.

julaceum, Smith. Fl. Brit., p. 1357. Eng. Bot., tab. 2270. W. Marshy places and wet rocks, Lough Bray and Powerscourt Waterfall.

argenteum, Linn. Sp. Pl., p. 1586. Eng. Bot., tab. 1602. W. and D. Banks and hardened ground. Common.

Aulacomnion. Schwægr.

palustre, Schwægr. Suppl., tab. 226. Minum palustre, Hedw. Sp. Musc., p. 188. Bryum palustre, Eng. Bot., t. 391. W. Wet heaths and marshy places, Lough Bray.

Leptobryum, Wilson.

pyriforme, Wilson. Bryol. Brit., p. 219, tab. 27. Bryum pyriforme, Rabenhor, Bryothec. Europ., No. 93. Hab. D. Shady, damp banks and rocks on the mountains. It also grows in great abundance on the mould of flower-pots in the Botanic Gardens, Glasnevin, both in conservatories and houses, which are seldom under 65° Fahr.

Mnium, Linn.

undulatum, Hedw. Sp. Musc., p. 195. Bryum ligulatum, Eng. Bot., t. 1449. W. Woods, and damp, shady banks. C. D. C. Rare in fruit.

punctatum, Hedw. Sp. Musc., p. 193. Bryum punctatum, Eng. Bot., tab. 1183. W. Marshy places. C. D. Common.

hornum, Linn. Sp. Pl., p. 1576. Bryum hornum, Turn. i., or Fl. Hib., p. 128. W. Woods and shady banks. C. D. Common.

rostratum, Schwægr. Suppl., tab. 79. Bryum cuspidatum, Turner, Muscol. Hib., p. 131. Eng. Bot., tab. 1474. W. Moist, shady rocks, Dargle River.

Amblyodon, P. Beauvois'.

dealbatus, P. Beauv. Prodr., p. 41. Bryum dealbatum, Dickson, Pl. Crypt. Fasc., 2, tab. 5, f. 3. D. Among the sandhills between Malahide and Portrane.

Tribe 11.—Hookeriæ.

Daltonia, Hook. et Tayl.

splachnoides, Hook. and Tayl. Muscol. Brit., p. 139. Bryol. Brit., p. 418, tab. 22. Neckera splachnoides, Smith, Eng. Bot., tab. 2564. D. Moist, shady rocks, Seeghane Mountain. Rare. Dr. Taylor.

Hookeria, Smith.

lucens, Dill. Musc., tab. 34, f. 10. Eng. Bot., tab. 1902. W. Damp banks by the sides of rivulets. C. D. Common.

Tribe 12.—Neckereæ.

Hedwigia, Ehrh.

ciliata, Hedw. St. Crypt., 1. tab. 40. Bryol. Brit., p. 146, tab. 6. Anictangium ciliatum, Turn., Muscol. Hib., p. 11. W. On exposed rocks. C. D. In similar places. C. The varieties γ. viridis, of Wilson's "Bryologia Britannica," and δ. secunda, grow at Lough Bray and Luggelaw, Wicklow.

Hedwigidium, Br. et Schimp.

imberbe, Br. et Sch. Bryol. Europ., vol. 3, Monogr., p. 3, tab. 274. Anictangium imberbe, Hook. and Tayl., Muscol. Brit., p. 27. W. On the faces of moist rocks, at Lough Bray and Lugnaquilla.

Leucodon, Schwægr.

sciuroides, Schwægr. Supp., tab. 125, fig. 10. Bryol. Brit., p. 313, tab. 20. D. Near the Longford Bridge, Royal Canal. Rare. Abundant in parts of county Meath.

Antitrichia, Bridel.

curtipendula, Bridel. Br. Univ., 2, p. 222. Neckera curtipendula, Turn., Muscol. Hib., p. 102. Eng. Bot., tab. 1444. W. On the trunks of alder trees, Upper Lough Bray. Fruit.

Cryphæa, Bridel.

heteromalla, Bridel. Bryol. Univ., 2, p. 250. Neckera heteromalla, Eng. Bot., tab. 1180. W. Trunks of trees. C. D. C.

Fontinalis, Dillenius.

antipyretica, Linn. Sp. Plant., p. 1571. Bryol. Brit., p. 423, tab. 22. Hab. W. Attached to stones in rivulets. C. D. Common.

squamosa, Linn. Sp. Pl., 1591. Bryol. Brit., p. 424, tab. 22. W. Lakes and rivulets; frequent. D. In the mountain streams; frequent.

Neckera. Hedw.

pumila. Hudson. Fl. Angl., p. 468. Bryol. Brit., p. 413, tab. 22. W. On trunks of trees, Westaston and Powerscourt.

Homalia. Schimp.

complanata. Linn. Sp. Pl., p. 1588. Hypnum complanatum, Turn. Musc. Hib. p. 144. W. Trunks of trees, walls, and rocks frequent. D. In similar places frequent.

Trichomanoides. Dill. Musc., tab. 34, fig. 7. Omalia trichomanoides Bryol. Brit., p. 410, tab. 24. Hypnum trichomanoides Turn. Musc. Hib. p. 145. W. Trunks of trees and on rocks. C. D. Common.

TRIBE 13. STEREODONTEÆ.

Plagiothecium. Bryol. Europ.

undulatum. Linn. Bryol. Europ., vol. 5, Monogr. p. 17, tab. 506. Hypnum undulatum. Bryol. Brit., p. 405, tab. 24. W. Woods and banks frequent. D. Frequent.

sylvaticum. Linn. Bryol. Europ., vol. 5. Monogr., p. 14, tab. 503. Hypnum sylvaticum. Bryol. Brit., p. 406, tab. 24. W. Damp ground, Luggelaw Woods.

elegans. Hooker. Musc. Exot., tab. 9. Hypnum elegans. Wilson, Bryol., Brit., p. 408, tab. 59. W. Damp shady banks and rocks, at Powerscourt Waterfall.

denticulatum. Dill. Bryol. Europ., vol. 5, Monogr., p. 12, tab. 501–502. Hypnum denticulatum. Bryol. Brit., p. 407, tab. 24. W. Woods and banks frequent. D. Frequent.

pulchellum. Dicks. Bryol. Europ., vol. 5. Monogr., p. 9, tab. 497. Hypnum pulchellum, Bryol. Brit., p. 403, tab. 24. W. Wet banks among rocks, Powerscourt Waterfall, and Upper Loughbray.

Cylindrothecium. Br. et Schimp.

concinnum. De Notr. Mantiss. No. 18. C. Montagnei, Bryol. Europ., vol. 5. Monogr., p. 6, tab. 465, Bryol. Brit., p. 327, tab. 54. D. Banks and sand hills, near Sallygap, sandhills between Malahide and Portrane.

Tribe 14. Hypneæ.

Pterogonium. Schwartz.

gracile, Schwartz. Musc. Suec., p. 26. Bryol. Brit., p. 321, t. 14. W. Rocks and on large stones, Lough Bray and Luggelaw. D. Killakee Glen.

filiforme. Schwægr. Suppl. 1, p. 100, Bryol. Brit., p. 320, t. 14. W. Dry rocks in shaded woods. C. D. Common.

Isothecium, Bridel.

myurum, Dill. Musc., tab. 41, f. 50. Hypnum curvatum, Turner, Musc., Hib., p. 139. W. On trees and rocks. C. D. C.

Homalothecium, Schimp.

sericeum, Linn. Bryol. Europ., vol. 5. Monogr., p. 3, tab. 456. Hypnum sericeum. Turn., Musc. Hib. p. 138. Engl. Bot., tab. 1445. W. On trunks of trees, walls, and rocks. C. D. Common.

Thamnium, Schimp.

alopecurum, Linn. Bryol. Europ., vol. 5. Monogr., p. 4, tab. 518. Isothecium alopecurum, Bryol. Brit., p. 324, tab. 25. W. By the sides of rivulets, and in moist woods, frequent. D. Frequent.

Heterocladium, Schimp.

heteropteron, Br. et Schimp. Bryol. Europ., vol. 5. Monogr., p. 4, t. 480. Hypnum heteropteron, Bryol. Brit., p. 369, t. 26. W. Moist rocks, and broken ground frequent. D. Frequent.

Anomodon, Hook. et Tayl.

viticulosa, Hook. and Tayl. Muscol. Brit., Ed. 2, p. 138. Neckera viticulosa Turn. Musc. Hib. p. 103. W. Limestone rocks and on walls, frequent. D. Frequent.

Thuyidium, Schimp.

abietinum, Linn. Sp. Pl., p. 1591. Hypnum abietinum, Bryol. Brit., p. 377, tab. 25. D. On Portmarnock sand hills, also at Malahide and Portrane, rare.

tamariscinum, Hedw. Sp. Musc., p. 261, tab. 67, figs. 1–5. Hypnum tamariscinum, Bryol. Brit., p. 380, tab. 57. W. Woods and shady banks. C. D. Common.

Hypnum, Linn et Dillen.

Sect. Brachythecium, Bryol. Europ.

Lutescens, Hudson. De Notr., Briol. Ital., p. 113. W. Rocks and sand hills, near the sea. C. D. Common.

albicans, Dill. Bryol. Europ., vol. 6. Monogr., p. 19, t. 553. Hypnum albicans, Bryol. Brit., p. 337, t. 25. D. On sand hills near the sea. Common.

glareosum, Br. et Sch. Bryol. Europ., vol. 6, Monogr., p. 19, t. 552. W. On grassy banks, frequent. D. Frequent.

rivulare, Br. et Schimp. Bryol. Europ., vol. 6, Monogr., p. 13, t. 549. W. On dripping rocks, between Arklow and Woodenbridge. D. Ballinascorney Glen, and Kelly's Glen.

illecebrum, Schwaegr. De Notr., Briol. Ital., p. 113. Hypnum illecebrum, Bryol. Brit., p. 343, tab. 35. D. Banks and rocks, Ballinascorney Glen, Killiney, and on the Hill of Howth.

velutinum, Linn. Sp. Plant., p. 1595. Hypnum velutinum, Bryol. Brit., p. 342, tab. 26. W. On stones, old walls and banks. C. D. Common.

populeum, Hedw. Sp. Musc., tab. 70, figs. 1–6. Hypnum populeum Bryol. Brit., p. 341, tab. 24. W. On rocks, walls, and trees. C. D. Common.

plumosum, Swartz. Muscol. Succ., p. 66. Hypnum plumosum. Bryol. Brit., p. 240, tab. 25. W. Wet rocks and banks by the margins of the mountain streams. C. D. In similar places. C.

Mildeanum, Schimp. Rabehor, Bryothec, Europ., No. 772. Hypnum salebrosum, Bryol. Brit., p. 338, tab. 53 (in part). D. Grassy banks and sand hills, between Malahide and Portrane, rare.

rutabulum, Linn. Sp. Pl., p. 1590. Hypnum rutabulum, Bryol. Brit., p. 345, tab. 26. W. Trees, rocks, walls, and banks. C. D. Common.

Sect. Rhynchostegium, Bryol. Europ.

rusciforme, Weiss. Bryol. Europ., vol. 5, Monogr, p. 11, tab. 515–516. Hypnum ruscifolium, Bryol. Brit., p. 354, tab. 26. W. About waterfalls on rocks. C. D. Common.

confertum, Dicks. Crypt. Fasc. 4, tab. 11, fig. 4. Hypnum confertum Bryol. Brit., p. 355, t. 26. W. On trunks of trees and on stones, walls, &c. C. D. Common.

megapolitanum, Blandow. Bryol. Europ., vol. 5, Monogr, p. 8, tab. 511. Hypnum megapolitanum, De Notr. Mant., No. 22. D. Sand hills. Between Portrane and Malahide.

murale, Dill. Musc., tab. 41, f. 52. Hypnum murale Bryol. Brit., p. 356, tab. 24. D. On walls and stones, at St. Margaret's, Howth, and in the Botanic Garden, Glasnevin.

tenellum, Dicks. Crypt. Fasc., p. 4., tab. 11, f. 12. Hypnum tenellum, Bryol. Brit., p. 35, tab. 24. W. On rocks and old walls frequent. D. Frequent.

striatum, Schreb. Fl. Lips., p. 91. Bryol. Ital., p. 76. Hypnum striatum Bryol. Brit., p. 352, tab. 26. D. Grassy banks in the Botanic Gardens, Glasnevin.

striatulum, Spruce. Bryol. Ital., p. 78. Hypnum striatulum, Bryol. Brit., p. 352, tab. 55. W. In woods at the Devil's Glen.

myosuroides, Linn. Sp. Plant, p. 159. Hypnum myosuroides, Turner, Musc. Hib., p. 140. W. On shady rocks, trunks of trees, &c. C. D. Common.

strigosum, Hoffin. Deutsch, Flor. 2, p. 76. Hypnum strigosum, Bryol. Brit., p. 353, tab. 55. Hab. D. At the roots of trees and on banks near Sallygap, the only known locality.

piliferum, Schreb. Fl. Lips., p. 91, Hypnum piliferum, Bryol. Brit., p. 347, t. 25. W. Woods and shady banks. C. D. C.

praelongum, Dill. Musc., tab. 35 f. 15. A. Hypnum praelongum, Bryol. Brit., p. 348, tab. 25. W. Moist shady banks between Woodenbridge and Arklow. C. Var β at Lough Bray. D. Shady banks. Common.

Swartzii, Turner. Hypnum Swartzii, Musc. Hib., p. 151, tab. 14, fig. 1. D. Shady banks. C. But rare in fruit.

hians, Hedw. Sp. Musc., p. 272, tab. 70, figs. 11–14. Hab. D. On the rocky sides of streams, Ballinascorney Glen, and Hillbrook, very rare.

pumilum, Wilson. De Notr. Bryol. Ital. p. 87. Hypnum pumilum, Bryol. Brit., p. 35, tab. 55. D. About the roots of trees in the Botanic Garden, Glasnevin.

Sect. Amblystegium, Bryol. Europ.

serpens, Dill. Bryol. Europ., vol. 6. Monogr., p. 9, t. 564. Hypnum serpens, Bryol. Brit., p. 362, tab. 24. W. On walls, rocks, and among the roots of trees. C. D. Common.

riparium, Linn. Bryol. Europ., vol. 6. Monogr., p. 14, t. 570–571. Hypnum riparium, Bryol. Brit., p. 364, tab. 24. W. On wood, and stumps of trees by the sides of rivers. C. D. C.

Sect. Limnobium, Bryol. Europ.

palustre, Linn. Bryol. Europ., vol. 6. Monogr., p. 2, tab. 574–575. Hypnum palustre, Schimp. Synops. Muscor. p. 64. W. On rocks in streams frequent. D. In similar places frequent.

ochraceum, Turner. Bryol. Europ., vol. 6. Suppl. t. 580. Hypnum ochraceum, Turner in Herb. W. On stones by the sides of the mountain rivulets at Lough Bray. D. Side of the stream in Kelly's Glen, fruit, May.

Sect. Hypnum, Bryol. Europ.

cordifolium, Hedw. St. Crypt, p. 4, tab. 37, vol. 6. Monogr. p. 47, t. 617. W. Bogs and marshy places. C. D. Common.

stramineum, Dicks. Bryol. Europ., vol. 6. Monogr. p. 49, tab. 617. D. Marshy heaths and wet sandy places. Kelly's Glen, Fruit.

cuspidatum, Dill. Musc., tab. 39, fig. 34. Eng. Bot. tab. 2407. W. Marshy ground. C. D. Common.

nurum, Linn. Sp. Plant, p. 1594. Bryol. Brit. p. 376, tab. 24. W. Shady banks, among rocks and stones. C. D. Common.

Schreberi, Willd. Fl. Berol, p. 325. Bryol. Brit., p. 376, tab. 24. W. Heaths and banks. C. D. Common.

Lindbergii, Mitten. In Seeman's Journal of Botany, vol. 2, p. 122, 1864. H. arcuatum, Lindberg. In efversight of K. Vetenskaps Akad. Forhandlingar, 1861. W. Damp sandy ground, near Lough Bray and Lugnaquilla. (Barren).

scorpoides, Linn. Sp. Pl. 1592. Bryol. Brit. p. 400, tab. 27. W. Bogs and marshy places, frequent. D. Frequent.

lycopodioides, Necker. Bryol. Europ., vol. 6. Monogr. p. 45, tab. 613–614. W. Bogs and marshes frequent. D. Frequent.

vernicosum, Lindberg. Hypnum aduncum, Hedw., fide Wilson in "Naturalist," 15th June, 1865. W. Bogs and in marshes frequent. D. Frequent.

revolvens, Swartz. Bryol. Brit. p. 388, tab. 58. D. Marshes and bogs. Seecaun and Seefin Mountains.

uncinatum, Hedw. Bryol. Brit. p. 394, tab. 26, Eng. Bot. tab. 1600. W. On rocks and on the roots of trees at Luggelaw. D. Killake Glen.

exanulatum, Gumb. Hypnum aduncum Bryol. Brit., p. 389, tab. 26. D. Marshy places, Howth, and near Stepaside.

fluitans, Dill. Bryol. Brit. p. 387, tab. 58. W. Marshes and lakes among the mountains frequent. D. In similar places frequent.

Kneiffii, Schimp. Synops. Musc., p. 605. Bryol. Brit. p. 390, tab. 58. W. Swampy places near Arklow. Sand hills between Malahide and Portrane.

commutatum, Dill. Bryol. Europ., vol. 6. Monogr., p. 38, tab. 607–608. W. Boggy places. C. D. Common.

filicinum, Linn. Bryol. Europ., vol. 6, Monogr., p. 40, tab. 609. W. Wet rocks, and on the margins of streamlets. C. D. C.

molluscum, Hedw. St. Crypt., p. 4, tab. 22. Bryol. Brit. p. 396, tab. 27. W. Among damp limestone rocks. C. D. Common.

cupressiforme, Dill. Musci. Tab. 37, fig. 33. Bryol. Brit. p. 397, tab. 27. W. Rocks, trees, and on the ground. C. D. Common.

polygamum. Br. et Schimp. Wils. Bryol. Brit., p. 364, tab. 56.

polymorphum, Hook and Tayl. in Herb. Grev. D. Damp places among the sand hills at Portmarnock and Malahide. Variety β stagnatum. H. stagnatum (Wils. M.S. in marshy ground near Arklow, and other places on the coast of Wicklow.

stellatum, Dill. Musc. tab. 39, fig. 5. Bryol. Brit. p. 366, tab. 26. W. Bogs and marshy places, frequent. D. Frequent.

chrysophyllum, Bridel. Mant. Musc., p. 175. Bryol. Brit. p. 366, tab. 26. W. Sand hills near the sea, frequent. D. Frequent.

elodes, Spruce. London Journal of Botany, vol. 4, April, 1845. H. polymorphum Flor. Hib., p. 44. W. Marshy and boggy ground near Black Castle. D. In a bog near Killiney.

Sect. Hylocomium, Bryol. Europ.

splendens, Hedw. Sp. Musc., tab. 67, f. 49. W. Woods and banks. C. D. Common.

brevirostrum, Ehrh. Pl. Exsicc, No. 85. Bryol. Brit., p. 383, tab. 57. W. In woods in the mountainous parts frequent. D. Frequent.

flagellare, Dicks. Crypt. Fasc, 2, p. 12. Hypnum flagellare, Bryol. Brit., p. 384, tab. 57. W. Rocks and stones by the sides of the mountain streams Lough Bray. D. Kelly's Glen.

triquetrum, Dill. Bryol. Europ., vol. 5. Monogr. p. 8, tab. 491. Hypnum triquetrum, Bryol. Brit. p. 385, tab. 26. W. Woods and bushy places. C. D. Common.

loreum, Dill. Musc., tab. 39, f. 38-40. Hypnum loreum. Bryol. Brit., p. 386, tab. 26. W. Woods and bushy places. C. D. Common.

squarrosum, Dill. Musc., tab. 39, f. 38 and 39. Hypnum squarrosum, Bryol. Brit. p. 386, tab. 26. Hab. W. Woods and heathy places. C. D. Common.

Tribe 15.—Skitophylleæ.

Fissidens. Hedw.

adiantoides, Hedw. St. Crypt. p. 3, tab. 26. Dicranum adiantoides. Turn. Musc. Hib. p. 57. W. On wet rocks, banks, and pastures. C. D. Common.

taxifolius, Hedw. Sp. Musc., tab. 39. Dicranum taxifolium. Swartz. Musc. Suec. p. 31. W. Moist shady banks. C. D. C.

tamarindifolius, Turner. Musc. Hib., p. 55. Bryol. Brit., p. 308, tab. 53. D. Moist bank near Cullen's Wood. Dr. W. Stokes. Rare.

viridulus, Linn. Wilson, Bryol. Brit., p. 303, tab. 53. Dicranum viridulum, Swartz. D. On shady, moist banks, Howth. Rare.

bryoides, Hedw. St. Crypt, p. 3, tab. 9. Bryol. Brit., p. 304, tab. 16. W. On moist, shady banks ; frequent. D. Frequent.

Tribe 16.—Polytricheæ.

Catharinea, Ehrh.

undulata, Web. et Mohr. Bot. Taschenb., 216. Atrichum undulatum, P. Beauv., Rabenhor., Bryothec. Europ., No. 282. W. Damp, shady places. C. D. Common.

Oligotrichum, De Cand.

hercynicum, De Cand. Flor. Gallic. Bryol. Brit., p. 205, tab. 10. Atrichum hercynicum, P. Beauv. W. Banks where the soil is bare, Lugnaquilla Mountain, and between Woodenbridge and Arklow.

Pogonatum, Bridel.

alpinum, Rohl. Deutchl. Fl., Ed. 3, p. 59. Polytrichum alpinum, Linn., Sp. Pl., p. 1109. W. Fissures of rocks, on the ascent to Lugnaquilla Mountain.

urnigerum, Bridel. Bryol. Univ., 2, p. 124. Polytrichum urnigerum, Linn., Sp. Pl., p. 1109. W. Moist banks on the mountains. C. D. Common.

subrotundum, Lindberg, in Hartm. Skand. Fl., Ed. 2, p. 44. Polytrichum subrotundum, Huds. Fl. Angl., Ed. 1, p. 400. W. Ditch banks, Lough Bray. D. Hill of Howth.

nanum, Weiss. Pl. Crypt. Fl. Gott., p. 173. Polytrichum aloides, Hedw., St. Crypt., 1, p. 37. Hab. W. Damp banks and rocky places in the mountainous parts. C. D. In similar places. Common.

Polytrichum, Bridel.

commune, Linn. Sp. Pl., 1, p. 1100. Bryol. Brit., p. 211, tab. 10. Hab. W. Marshy woods, moors, &c. C. D. Common.

juniperinum, Willd. Fl. Berol. Prodr., p. 305. Bryol. Brit., p. 213, tab. 10, fig. f. Hab. W. Heathy places, tops of turf, walls, &c. C. D. C. The variety β. strictum, P. strictum, Menzies, in Linn. Soc. Trans., vol. 4, tab. 5, fig. 7, and the var. γ. alpestre, P. alpestre, Schwægr., Suppl., tab. 97, occur occasionally in both counties.

piliferum, Schreb. Spicil. Fl. Lips., p. 74. Bryol. Brit., p. 213, tab. 10. W. Tops of turf, walls, dry heaths, &c. C. D. C.

gracile, Dicks. Eng. Bot., tab. 1827. W. Turf bogs, &c. C. D. C.

attenuatum, Menzies, in Linn. Soc. Trans., vol. 4, p. 72. Hab. W. Damp, shady banks, at Powerscourt Waterfall.

TRIBE 18.—SPHAGNEÆ.

Sphagnum, Dillenius.

cymbifolium, Ehrhart. S. latifolia, Turner, Musc. Hib., p. 5. W. On bogs and marshes; frequent. D. Frequent.

fimbriatum, Wilson. Bryol. Brit., p. 21, tab. 60. Pire, l, c., No. 3. Hab. W. Marshes and bogs, at Lough Bray. Rare.

rubellum, Wilson. Bryol. Brit., p. 19, tab. 60. Hab. W. Wet banks; frequent. D. Frequent.

squarrosum, Persoon. Wils. Bryol. Brit., p. 23, tab. 4. W. Bogs and marshes. C. D. Common.

subsecundum, Nees Von Esenbeck. Sturm. Deutschl. Flor. Crypt., Fasc. 17, 1820. S. contortum, var. β. secundum, Wilson, Bryol. Brit., p. 22, tab. 60. W. On wet banks and turf bogs, Lough Bray. D. Hill of Howth.

Var. β. contortum, S. contortum, Schultz-Wilson, Bryol. Brit., p. 22, tab. 60, has been collected at Lough Bray, Wicklow, and on the Hill of Howth, Dublin.

acutifolium, Ehrhart. Wilson, Bryol. Brit., p. 20, tab. 4. W. Wet bogs. C. D. Common.

tenellum, Ehrhart. Bridel, Bryol. Univ. 1, p. 4. W. Wet woods and damp heaths, at Glenmalur. Rare.

Tribe 19.—Andreæaceæ.

Andreæa, Ehrhart.

alpina, Dill. Wils., Bryol. Brit., p. 11, tab. 8. Hab. W. On mountain rocks, at Upper Lough Bray and Glenmalur. D. Killakee Glen and Killiney.

petrophila, Ehrhart. Br. et Schimp., Bryol. Europ., vol. 2, Monogr., p. 13, tab. 623, 625. W. On rocks, Lugnaquilla Mountain.

rupestris, Turner. Muscol. Hib. p. 14. A. Rothii, Bryol. Brit., p. 12, tab. 8. W. On the mountain rocks. C. D. Common.

crassinervia, Bruch. Braithwaite, in Seeman's "Journal of Botany," vol. 8, p. 95, 1870. Hab. W. Mountain rocks, at Upper Lough Bray.

LIST OF HEPATICÆ WHICH ARE FOUND IN THE COUNTIES OF DUBLIN AND WICKLOW, WITH THEIR PRINCIPAL LOCALITIES,

BY

DAVID MOORE PH.D., F.L.S.

[Read March 18, 1878.]

The other Irish species which are not included in the Dublin and Wicklow List will be found described in the "Report on Irish Hepaticæ," by D. Moore. Royal Irish Academy Proceedings, vol. ii., Series 2, p. 591.

SECTION 1.—MARCHANTIACEÆ.

Family 1.—*Marchantieæ.*

Marchantia, Linn.

polymorpha, Linn. In moist situations, and sometimes in dry places. W. Frequent. D. Especially abundant on the surface mould of pots in the Botanic Gardens, where it is frequently subjected to high temperatures, under which treatment both ♂ and ♀ receptacles are abundantly produced.

Conocephalus, Neck. Dumort.

conicus, Neck. Dumort. Fegatella conica. G. L. et N. Synop. Hepat., p. 546. Marchantia conica, Eng. Bot., tab. 504. W. Damp, shady places. D. Common.

Preissia. Nees.

commutata, Nees. Marchantia commutata, Lindenb. Hep. Europ., p. 101. D. On damp sandy ground near the sea, at the North Bull. Rare.

Dumortiera. Nees.

irrigua, Nees. Marchantia irrigua, Wilson, in Hook Engl. Fl., 5, 1, p. 106. Hygrophila irrigua, Taylor in Fl. Hib., p. 54. W. Sheltered, rocky recesses, where water is constantly trickling over, at Altadore glen, near Delgany; also at a small waterfall near Luggelaw.

Asterella. Beauv.

hemisphaerica, Beauv. Marchantia hemisphærica, Linn., Sp. Pl. 1604. D. On damp, sandy ground, at the North Bull, near the sea.

Lunularia. Micheli.

cruciata, Linn. Dumort; Lunularia vulgaris, Micheli, Nov. Gen. 4, tab. 4; Marchantia cruciata, Linn., Sp. Pl. 1604. W. Damp ground at Altadore glen, near Delgany.

Family 2.—Ricciæ. Mich.

Riccia. L.

glauca, Linn. Sp. Pl. 1605. W. On damp ground. D. Common.

SECTION II.—JUNGERMANNIACEÆ.

Sub-Tribe 1.—Frullanieæ.

Frullania. Raddi.

dilatata, Linn., Dumort. Jungermannia dilatata. Linn., Sp. Pl., p. 1600. Frullania minor, Raddi, Jung, in Mem. Modena, 18, p. 21, t. 2, fig. 3. W. On the trunks of trees. D. Common.

tamarisci, Mich. L., Dumort. Jungermannia tamarisci L., Sp. Pl. 1. ed 2, p. 1134. Frullania major, Raddi, in Att. Soc. Sc. Modena, 18, p. 20. W. On the trunks of trees. D. Common.

germana, Taylor. Jungermannia germana Tayl., in Trans. Bot. Soc. Edin, vol. 2, p. 43. F. tamarisci, var. ε. germana. Carring. Irish Hepat., p. 457. W. On rocks, and on trees, Lough Bray.

Lejeunea, Libert.

hamatifolia, Hook. Dumort. Jungermannia hamatifolia, Hook. Brit. Jung., t. 51. W. On the trunks of trees and on bare rocks, near Powerscourt. D. At Woodlands, near Clonsilla.

echinata, Hooker. Taylor. Jungermannia hamatifolia, var. β. echinata, Hook., Brit. Jung., 51. Lejeunea calcarea, Libert., Ann. Gen. Sc. Phys., 6, p. 373, t. 96, fig. 1. D. On limestone rocks, and parasitic on the larger mosses, especially the genus Thamnium, at Woodlands, near Clonsilla.

minutissima, Smith. Dumortier. Jungermannia minutissima, Smith, Engl. Bot., t. 1633. Jungermannia ulicina, Taylor, in Trans. Bot. Soc., Ed. 1, p. 115. W. On the stems of trees and on mosses, at Luggelaw and Powerscourt. D. Near Woodlands.

serpyllifolia, Mich., Dicks. Libert. Jungermannia serpyllifolia, Dicks., Pl. Crypt. Brit., 4, p. 19. W. On the trunks of trees and damp banks. D. Common.

Mackaii, Hooker. Jungermannia Mackaii, Hook., Brit. Jung, t. 53. Phragmicoma Mackaii, Dumort., Comm. Bot., p. 112. D. Near Woodlands.

Radula, Dumortier.

complanata, Linn. Dumortier. Jungermannia complanata, Linn., Sp. Pl. ; Hook. Brit. Jung., t. 81. W. On trees and rocks. D. Common.

Porella, Dillenius.

lævigata, Rupp., Schrad. Lindberg. Jungermannia lævigata, Hook., Brit. Jung, t. 35. Madotheca lævigata, Dumort., Comm. Bot., p. 111. W. Damp rocks, Lough Bray.

platyphylla, Linn. Lindberg. Jungermannia platyphylla, L., Sp. Pl., 1 ed., p. 1134. Madotheca platyphylla, Dumort., Comm. Bot., p. 111. W. On rocks, trunks of trees, and moss-covered banks. D. Common.

Thuja, Dicks. Jungermannia Thuja, Dicks., Pl. Crypt., 4, p. 19. W. On rocks and stones.

SUB-TRIBE 2.—PLEUROZIEÆ.

Pleurozia, Dumortier.

cochleariformis, Dumortier. Jungermannia cochleariformis, Weiss., Pl. Crypt., p. 123. Physiotium cochleariformis, Nees., Europ. Leberm., 3, p. 79. W. On wet, boggy places, about Upper Lough Bray. D. Moors about the mountains.

SUB-TRIBE 3.—LEPIDOZIEÆ.

Lepidozia, Linn. Dumortier.

reptans, Linn. Sp. Pl., 1599. Hook., Brit. Jung., t. 75. Mastigophora reptans, Nees., Leber. Europ., 3, p. 31. W. Woods and bushy banks. D. Common.

cupressina, Sw. Dum. Jungermannia reptans, β. pinnata, Hook., Brit. Jung., t. 75. L. tumidula, Tayl., in G. L. et N. Synop. Hepat., p. 206. W. Damp rocks and banks, at Lough Bray.

Bazzania. Bennett Gray.

trilobata, Mich., L. B. Gr. Jungermannia trilobata, Linn, Sp. Pl. 1599. Mastigobryum trilobatum, G. L. et N. Synop. Hepat., p. 230. Jungermannia radicans, Hoff. Germ. 2, p. 87. W. Mountain woods, Upper Lough Bray, and Seven Churches. D. Killakee Glen.

Odontochisma. Dumortier.

sphagni, Dicks. Dumortier. Jungermannia sphagni, Dicks. Fasc. Pl. Crypt. Brit. 1, p. 6. Sphagnocetis communis, Nees, in G. L. et N. Synop. Hepat., p. 148. W. In bogs, among Sphagnum. Frequent. D. Killakee Glen, and other boggy places.

Cephalozia. Dumortier.

elachista, Jack. Jungermannia elachista Jack, in Gottsche et Rabenhor. Hepat. Europ., exsic. No. 574. W. On moist banks at Lough Bray. Very rare. S. O. Lindberg.

byssacea, Roth, Dumort. Jungermannia byssacea, Roth. Fl. Germ. 3, p. 387. Hook. Brit. Jung., t. 12. W. On paths in woods, and on bare crags. D. C.

bicuspidata, Linn, Dumort. Jungermannia bicuspidata Linn, Sp. Pl. 158. Hook. Brit. Jung., t. 11. W. On heaths and banks. D. Common.

uliginosa, Spruce. W. Moist banks, Lough Bray. D. Killakee Glen. (New to Ireland—"not previously published as Irish.")

connivens, Dicks. Jungermannia connivens, Dicks, Pl. Crypt. fasc. 4, p. 19, tab. 2, fig. 15. Hook. Brit. Jung., tab. 15. Blepharostoma connivens, Dumort, Rev. Jung., p. 18. W. Wet banks, among mosses. D. Wet places. C.

Var. α. conferta minor. On rotten wood. Frequent in both counties.

Cephalozia. Dumortier.

Var. β. sphagnorum, Hook. Brit. Jung, t. 15, 3. Frequent among Sphagnum, about Lough Bray. W.

catenulata, Huebener, Lindb. Jungermannia catenulata, Huebener. Hepat Germ., p. 169. Jungermannia reclusa, Taylor in Trans. Bot. Soc. Edin. 11, p. 44. W. On shady, damp banks, about Lough Bray, and elsewhere. D. Killakee Glen, and elsewhere. Common.

Lophocolea. Dumortier.

bidentata, Linn., Dumort. Jungermannia bidentata Sm. Eng. Bot., t. 606. Hook. Brit. Jung., t. 30. W. D. C.

spicata, Taylor in G. L. et N. Synop. Hepat., p. 167. Cook. Brit. Hepat., p. 15, n. 75, fig. 113. W. On shady, damp rocks; among mosses at Altadore Glen, near Delgany.

Chiloscyphus. Corda.

polyanthos, Corda. Jungermannia polyanthos Linn. Sp. Pl. 1,597. Marsupella polyanthos, Dumort. Comm. Bot., p. 114. W. On wet rocks, &c. D. Common.

Harpanthus. Nees.

scutatus, Spruce. Jungermannia scutata, Weber et Mohr. Deutschl. Crypt., p. 408. Jungermannia stipulacea. Hook. Brit. Jung., t. 41. W. Moist banks, and on rocks among the larger mosses, &c., at Upper Lough Bray.

Sub-Tribe 4.—Saccogyneæ, Dumortier.

Kantia. Bennett Gray.

trichomanis, Dicks, B. Gr. Jungermannia trichomanis. Hook. Brit. Jung., tab. 79. On wet, shady banks, and woods. W. D. Common.

arguta, N. M., Lindb. Calypogeia arguta, N. M., Lindb. Eng. Bot. tab., 1875. W. On wet banks, and on the larger Hepaticæ, at Luggelaw. Very rare.

Saccogyna. Dumortier.

viticulosa, Mich, Dumort. Jungermannia viticulosa, Linn. Sp. Pl. 1597. W. On damp ground, among mosses, &c. Very fine at Lough Bray. D. Killakee Glen.

Sub-Tribe 5.—Blepharozieæ.

Tricocholea. Dumortier.

tomentella, Ehrhart, Dumort. Jungermannia tomentella, Ehrh. Beitr. 2, p. 150. Hook. Brit. Jung., t. 36. W Mossy banks in woods and rocky places. D. Common.

Herberta. Bennett Gray.

adunca, Dicks, B. Gr. Jungermannia adunca, Dicks. Fasc. Pl. Crypt. Brit. 3, p. 12, tab. 8, f. 8. Sendtnera juniperina, var. β, Nees, in G. L. et N. Synop. Hepat., p. 239. W. Bogs and wet rocky places, at Upper Lough Bray.

Blepharostoma. Dumortier.

trichophylla, Linn., Dumort. Jungermannia trichophylla, Linn. Sp. Pl., p 1601. Hook. Brit. Jung., t. 7. W. On turfy heaths, and among Sphagnum, at Lough Bray.

setacea, Web., Mitt. Jungermannia setacea, Weber, Spicil. Fl. Gott, p. 143. Hook. Brit. Jung., t. 8. W. Bogs, and moist shady banks in woods, &c., at Lough Bray.

SUB-TRIBE 6.—JUNGERMANNIEÆ.

Scapania. Dumortier.

subalpina, Dumortier. Var. β undulifolia. Jungermannia subalpina, Nees. apud Lindenb. Hep., p. 55. W. Margins of the mountain streams, where the water is constantly trickling over. Lugnaquilla .mountain, also at Lough Bray. D. At Kelly's Glen, in similar places.

undulata, Linn., Dill. Dumort, Jungermannia undulata, Linn, Sp. Pl., 1598. Hook. Brit. Jung., tab. 22. Radula undulata. Dumort. Comm. Bot., p. 112. W. Streams among the hills. D. Common.

var. ε. speciosa, Rabenhor. Hep. Eur., exsicc. n., 442. Was collected near Lugnaquilla. W.

irrigua, Nees. Dumort. Jungermannia irrigua, Nees Europ. Leber., 1, p. 193. W. Wet places among the hills, at Lough Bray.

resupinata, Dumort. Non : Hook. Jungermannia resupinata, Linn. Sp. Pl., 1599. Martinellia gracilis. Lindb. in Hort. Soc. T. Fl. Fenn. 13, p. 365 (1874.) Acta Societatis Scientiarum Fenicæ, X., p. 520 (1875.) W. Open heathy places, Lough Bray. D. Kelly's Glen.

umbrosa, Schrader. Dumort, Jungermannia umbrosa, Hooker. Brit. Jung., t. 24, suppl. 3. Engl. Bot., t. 2527. W. On moist rocks and banks, Lough Bray. D. Killakee Glen.

curta, Dumort. Jungermannia nemorosa. Var. δ. denudata, Hook., Brit. Jung., t. 21. Jung. curta, Mart. Fl. Crypt. Erlang., p. 148. Hab. W. Moist shady banks, among the larger Hepaticæ, at Upper Lough Bray.

Diplophyllum. Dumortier.

albicans, Linn. Dumort. Jungermannia albicans, Linn., Sp. Pl., p. 1599. Hook., Brit. Jung., t. 23. W, On moist banks, &c. D. Common.

Plagiochila. Dumortier.

asplenioides, Linn. Dumort. Jungermannia asplenioides, Linn., Sp. Pl., p. 1597. Eng. Bot., 1061. Hook. Brit. Jung., t. 13. Hab. W. Banks among moss, and in woods. D. Common.

spinulosa, Dicks. Dumort. Jungermannia spinulosa, Dicks. Crypt. fasc. 2, p. 14. Hook., Brit. Jung., t. 14. Eng. Bot., t. 2228. Tayl. Fl. Hib. 2, p. 58. Hab. W. Woods and moist banks. D. C.

Plagiochila. Dumortier.

punctata, Taylor. In London Journal of Bot. 1844, p. 371 (sub. n. 10) et 1846, p. 261. Plagiochila spinulosa, β punctata, Carring. Irish Crypt., p. 19, t. 2, fig. 3 (1863) et Brit. Hepat. part 3, p. 60. W. Shady woods, and damp banks, Altadore Glen, near Delgany. Also at Seven Churches.

Mylia. Bennett Gray.

Taylori, Hook., B. Gray. Jungermannia Taylori, Hook., Brit. Junger., t. 34. Eng. Bot., t. 2318. Coleochila Taylori. Dumort. Hepat. Europ., p. 107. W. On wet banks, Lough Bray.

Jungermannia. Linnæus.

§ *A.—Aplozia.*

crenulata, Smith (Dumort.) Jungermannia crenulata, Sm., Eng. Bot., t. 1463. Hook. Brit. Jung., t. 37. Aplozia crenulata, Dumort. Hepat. Europ., p. 57 (1874.) W. On moist clay banks. D. Common.

Var β gracillima. Jungermannia gracillima, Sm. Eng. Bot, t. 2238. Hook. Brit. Jung., at descript. n. 37. J. genthiana, Hueben. Hepat. Germ., p. 107. W. In similar places as that of the larger state of the plant, at Westaston.

pumila, With., Dumort. Jungermannia pumila, Wither. Bot. An., ed. 3, p. 866. Hook. Brit. Jung., t. 17. W. On rocks, by the margins of streams, at Lough Bray.

sphærocarpa, Hook, Dumort. Jungermannia sphærocarpa. Hook. Brit. Jung., t. 74. Aplozia sphærocarpa. Dumort. Hep. Eur., p. 61. W. On stones, by sides of rivulets, Upper Lough Bray. D. Kelly's Glen.

riparia, Taylor, Dumort. Jungermannia riparia. Tayl. in Trans. Bot. Soc. Edin., p. 43. Cooke's Brit. Jung., p. 9, fig. 69. W. Sides of streams and pools, Lough Bray, and near Wooden Bridge.

nana, Nees. Hep. Europ., 1 p. p. 317, 278 ; 2 p. 466 ; 3 p. 533 ; 4 p. 41. Jungermannia lurida. Dumort. Hepat. Europ., p. 60 (1874.) W. On wet banks, by the sides of streams, at Seven Churches. D. Kelly's Glen.

§ *B.—Sphenolobum.*

Dicksoni, Hook. Brit. Jung., t. 48. Eng. Bot., 2591. Diplophyllum Dicksoni. Dumort. Rev. Jung., p. 16, et Hepat. Europ., p. 49 (1875.) W. On rocks and moist banks, in subalpine parts, at Lough Bray. D. In similar places. Very rare. Dr. Taylor.

minuta, Crantz. Hist. Græn., p. 288. Hook. Brit. Jung., t. 44. Diplophyllum minutum. Dumort. Rev. Jung., p. 16, et Hepat. Europ., p. 49. W. Heathy and rocky banks, Lough Bray, and Seven Churches.

§ *C.—Lophozia, Dumortier.*

Hornschuchiana, Nees. Europ. Leberm. 2, p. 153. G. L. et N. Synop. Hepat., p. 101. W. Wet places, near Woodenbridge.

barbata, Schreber. Spicil. Lips., p. 107. J. quinquidentata, Huds. Angl. Fl., p. 511. Lophozia barbata. Dum. Rev. Jung., p. 17. W. Among rocks and on heathy banks. Frequent. D. In similar places. Frequent.

Lyoni, Taylor in Trans. Bot., Soc. Edinb., 1 p. 116, t. 7. J. Socia. var., G. γ., et N. Synop. Hepat, p. 112. I. barbata Var. G. L. et N., l. c. p. 678. W. On rocky banks among mosses, at Glenmalur. Rare.

ventricosa, Dicks. Pl. Crypt, 2, p. 14. Hook. Brit. Jung. t. 28. Eng. Bot. t. 2568. Tayl in Fl. Hib. 2, p. 60. W. Banks and rocks in mountain situations, Lough Bray, &c., frequent. D. In similar situations, frequent.

excisa, Dicks. Pl. Crypt. 3, p. 11, t. 8, fig. 7. Hook, Brit. Jung., p. 11. Lophozia excisa, Dumort. Rev. Jung., p. 17. Woods and heathy banks. D. On the mountains. (Taylor) Rare.

bicrenata, Lindenb. Synop. Hepat. p. 82. Jungermannia excisa Sm. Engl. Bot. t. 2497. W. On damp shady banks, Lough Bray.

§ *D.—Gymnocolea, Dumortier.*

laxifolia, Hook. Dumort Hook. Brit. Jung. t. 59. Eng. Bot. t. 2677. Gymnocolea laxifolia, Dumort. Rev. Jung. p. 17. et Hepat. Eur. p. 64. D. On rocks by the sides of rivulets, Castle Kelly Mountain, Dr. Taylor.

inflata, Huds. Dumort. Jungermannia inflata, Huds, Flor, Ang. p. 511. Gymnocolea inflata, Dumort, Rev. Jung. p. 17. et Hepat. Europ. p. 63. Hab. W. On wet rocks and banks, Lough Bray. D. Near Finglas.

var, α compacta, Carrington. D. On the top of Howth Hill.

affinis, Wilson. Dumort. Jungermannia turbinata. Wils. in Eng. Bot. suppl. t. 2744. J. Wilsoniana, Nees. Europ. Leberm. 3, p. 548. Cooke, Brit. Jung. p. 10. f. 74. D. On the grey limestone, Woodlands, near Clonsilla, and the Finglas quarries.

Nardia. Bennett Gray.

§ *A.—Marsupella (Dum) Lindberg.*

emarginata, Ehrh. B. Gr. Jungermannia emarginata, Ehrh. Beitr. 3, p. 80. Sm. Eng. Bot. t. 1022. Hook. Brit. Jung. t. 27. Sarcoscyphus Ehrharti. Corda in Opiz. Natural., p. 652. W. Wet rocks and sides of mountain rivulets. D. In similar situations. Common.

sphacelata, Giesecke. Jungermannia sphacelata, Giesecke in Lindenb. Synop. Hep. p. 76. Sarcoscyphus sphacelatus, Nees, Europ. Leber, p. 129. W. Wet rocks by the margins of the mountain rivulets at Upper Lough Bray. Very rare. S. O. Lindberg.

revoluta, Nees. Lindb. Sarcoscyphus revolutus. Nees Leberm, Eur. 2, p. 419. W. On rocks at Luggelaw. Very rare, D. Orr.

§ *B.—Mesophylla, Dumort'er.*

scalaris, Schrader. B. Gr. Jungermannia scalaris, Schrad. Samml. 2, p. 4. Hook. Brit. Jung. t. 61. Alicularia scalaris corda, in Opiz. Natural, p. 653. W. On moist clay banks. D. Common.

compressa, B. Gr. Carrington. Jungermannia compressa. Hook. Brit. Jung. t. 58, Alicularia compressa, G. L. et N, Syn. Hepat. p. 12. W. Sides of rivulets and moist rocky places, at Upper Lough Bray; also at Luggelaw and Seven Churches. D. In similar places in Kelly's Glen.

Var *β.* rigida, Lindb. W. In wet boggy places at Upper Lough Bray and Seven Churches.

§ *C.—Southbya, Spruce.*

obovata, Nees. Carrington. Jungermannia obovata, Nees, Europ. Leberm. 1, p. 332; 2, p. 474. Cooke. Brit. Jung. p. 8, fig. 62. Jungermannia tersa. Nees. Europ. Leberm, p. 471. W. Moist rocks, and by the sides of rivulets at Upper Lough Bray.

hyalina, Lyell. Carrington. Jungermannia hyalina, Lyell, in Hook. Brit. Jung, t. 65. Cook, Brit. Jung. p. 8, fig. 61. W. Moist banks and damp rocky recesses at Luggelaw, and Seven Churches. D. In similar places on Seefing mountain. Dr. Taylor.

Sub-tribe 7.—Fossombromeæ.

Pallavicinia. Bennett Gray.

Hibernica, Hook. B. Gray. Jungermannia Hibernica Hook. Brit. Jung. t. 78. Blyttia Lyell, var γ. Hibernica. G. L. et N. Synop. Hep. p. 475. Moerckia Hibernica, Gottsche, in Rabenh. Hep. Europ. exsic. n. 295,334, et 335. D. On damp sandy ground, among the sand-hills near the sea where water has stood during the winter at the North Bull, and between Malahide and Portrane, very rare and local.

Lyellii, Hook. B. Gr. Jungermannia Lyellii, Hook. Brit. Jung. t. 77. Dilæna Lyellii Dumort. Comm. Bot. p. 114 (1822). Blyttia Lyellii, G. L. et N. Synop. Hep. p. 475. W. Boggy places among Sphagnum, at Upper Lough Bray.

Petalophyllum. Gottsche.

Ralfsii, Gottsche, Wilson. Jungermannia Ralfsii Wilson, in suppl. to Eng. Bot., t. 2,874. Petalophyllum lamellatum. Lindberg, Manipulus, Musc. Secund., p. 396. D. On damp sandy ground near the sea, Malahide sands, and at North Bull sands. Not hitherto observed elsewhere in Ireland.

Blasia. Micheli.

pusilla. Linn. Sp. Pl., 1,605. Jungermannia Blasia. Hook, Brit. Jung., t. 82–84. Tayl., in Fl. Hib., p. 56. W. On sandy moist banks, near Woodenbridge. D. Castle Kelly Glen fruiting in March.

Pellia. Raddi.

epiphylla, Dill. L. Raddi. Jungermannia epiphylla, Linn. Sp. Pl. 1, ed. 2, p. 1,135. Hook, Brit. Jung., t. 47, figs. 1, 4, 8, 1, 17. Tayl. in Fl. Hib., p. 56. W. On moist clay banks. D. In similar places. Common.

calycina, Nees. Tayl. Jungermannia epiphylla, Var γ. furcigera. Hook, Brit. Jung., t. 47, fig. 18, et. 2, 3, 9, 10–12. Jungermannia calycina. Tayl., in Fl. Hib., 2, p. 55. Pellia endivifolia, Pluk., Dicks. W. Shady moist places, sometimes quite immersed in water, at Altadore Glen, and Lough Bray.

Sub-tribe 8.—*Metzgerieæ.*

Metzgeria. Raddi.

furcata, Linn. Dumort. Jungermannia furcata, Linn. Sp. Pl., 1,602. Hook, Brit. Jung., t. 55, et. 56. Eng. Bot., t. 1,632. Metzgeria glabra, Raddi. Jung., Etr. in Mem. Modena.18, p. 43, t. 7, fig. 1. W. On trunks of trees, and also on moist banks and rocks. D. In similar situations. Common.

Var. δ. æruginosa. W. On trunks of trees, frequent. D. Frequent in similar situations.

Riccardia. Bennett Gray.

multifida, Dill., Linn., Gr. Jungermannia multifida, Linn, Sp. Pl., p. 1,602. Eng. Bot., t. 186. Hook, Brit. jung., t. 45. excl. Var. β. Aneura multifida, Dumort. Comm. Bot., p. 115. W. On wet places where water has stood during winter. D. In similar places. Common.

Var. pinnatifida Dumort, Syll. Jung.—Aneura pinnatifida, Dumort. Rev. Jung, p. 26, are found at Luggielaw and Lough Bray. W.

palmata, Hedw. Carruth., Lindb. Jungermannia palmata Hedw. Theor. Gen. 1 ed., p. 87, t. 18, figs. 93, 95; et tab. 19, figs. 96–98. Aneura palmata, Dumort. Comm. Bot., p. 115. W. On the decaying trunks of old trees at Altadore Glen, near Delgany.

pinguis, Linn., B. Gr. Jungermannia pinguis, Linn. Sp. Pl. p. 1,602. Hook, Brit. jung., t. 46. Eng. Bot., t. 185. Aneura pinguis, Dum. Comm. Bot., p. 115. Cooke, Brit. Jung., p. 23, fig. 174. W. Damp ravines, and margins of rivulets at Lough Bray. D. On wet sand at Malahide.

SECTION III.—ANTHOCEROTACEÆ.

Tribe 2.—*Anthoceroteæ.*

Anthoceros. Micheli.

punctatus, Linn. Sp. Pl. 1,606. Sm. Eng. Bot., t. 1,537. W. Wet places by the sides of streams. Sugar Loaf Mountain. D, At Kelly's Glen.

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